

Permeable Interlocking Concrete Pavement Symposium

Wednesday, June 4, 2025

9:30 AM to 3:00 PM

Southern California Coastal Water Research Project
3535 Harbor Blvd., Suite 110, Costa Mesa, CA

Co-Hosted by:



CONCRETE
MASONRY &
HARDSCAPES
ASSOCIATION



Permeable pavements reduce stormwater runoff and pollution while recharging aquifers and providing a cooler urban climate. They can reduce drainage costs by combining pavement with detention and infiltration. Permeable interlocking concrete pavement (PICP) is an essential stormwater management solution tool to reduce stormwater quantity and stormwater pollution. This symposium will provide you with the tools you need to design, specify, construct and maintain PICP. Instructional materials and lunch are included.

All presentations will be technical in nature and will cover:

- State of Practice with PICP in California
- Design, Specification, Construction and Maintenance of PICP

Attendance is limited to staff of government agencies and design professionals (architects, engineers and landscape architects) providing services to publicly/government funded projects. A remote attendance option is available to government staff subject to travel restrictions.

Seating is limited. Register early to ensure you get a seat.
Registration closes Monday June 2, 2025

Group Hotel Discount Available: A discounted rate starting from \$123/night is available for guests using this link [\(CLICK HERE\)](#) at the Holiday Inn Santa Ana-Orange County Airport.

Registration is complimentary.

Register here



<https://forms.gle/SLiMxgFLRQnLbPJr7>

Local producers will attend to answer questions about their products during breaks.



Agenda:

- 9:30 AM Registration
 - Welcome and Opening Remarks - Robert Bowers
 - State of Practice with PICP in California - Elizabeth Fassman-Beck
 - Introduction to Permeable Pavements – Bryan Horr
 - Pollutant and Volume Reduction - Robert Bowers
- 10:45 AM Break – Coffee provided
- 11:00 AM Design of PICP – Robert Bowers
- 12:00 PM Lunch provided
- 12:45 PM Construction of PICP – Gary Stowe
- 1:45 PM Break
- 2:00 PM Maintenance of PICP – Bryan Horr
- 3:00 PM Closing Remarks - Robert Bowers

Presenters:



Dr. Elizabeth Fassman-Beck, Head of the Engineering Department at SCCWRP, whose primary responsibility is to implement SCCWRP's Stormwater BMP (best management practices) research theme. Her research combines field scale monitoring and laboratory studies to quantify the hydrologic and water quality performance of BMPs. Studies aim to advance understanding of how BMP design at the system and component scale influences stormwater mitigation functions, so that the industry can achieve receiving water protection goals.



Gary Stowe, President at Stowe Contracting, Inc., has been in the paving stone business since 1991 in the Monterey Peninsula area. With local jurisdiction's zero runoff policies and impermeable surface limits on development, he has developed extensive experience in permeable paving stone installation. He currently serves on the Concrete Masonry & Hardscape Association Construction, Education, and Certification Committees. He is past chair of the ICPI Construction and Certification Committees. He holds California Contractors: A General Engineering and B General Building Licenses.



Bryan Horr, P. E., Divisional Engineer – Segmental Pavements Concrete Masonry & Hardscapes Association (formerly ICPI & NCMA)
A seasoned Civil Engineer with 11 years of hands-on construction supervisory expertise seamlessly blends practical field experience with theoretical knowledge. Bryan leverages his construction background to impart valuable insights in the classroom. Having instructed numerous contractors in the CMHA Concrete Paver Installer Course and the PICP Specialist Course, he devotes a significant portion of his time to educating design professionals about the advantages of using interlocking concrete pavers as a superior pavement solution.



Robert Bowers, P. Eng., VP Engineering – Hardscapes Concrete Masonry & Hardscapes Association (formerly ICPI & NCMA)
With 30 years in the hardscapes industry, at CMHA he oversees technical programs related to the design, specification, construction and maintenance of segmental concrete pavements and retaining walls. This includes content for technical publications and the Contractor Education/Certification courses. He has written several articles and conducted numerous seminars about interlocking concrete pavement, permeable concrete pavement and segmental retaining walls. Bowers participates in the ASCE, ASTM, CSA and TAC.