

How Sustainability, EPDs, and Whole **Building Life Cycle Assessment are** Converging at a Concrete Plant Near You CONCRETE INNOVATIONS October 12, 2022



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THE IMPORTANCE OF LIFE CYCLE

- Completed January 1943
- · 435,000 cubic yards of concrete
- · 43,000 tons of steel
- · 680,000 tons of sand and gravel
- \cdot Still absorbing CO $_2$ after nearly 80 years
- Concrete can absorb 10% of the CO₂ emissions generated during the manufacture and transportation of both cement and concrete

shaped



THE BIG TEN	
Provide the search, Development & Innovation	Arket Acceptance
Regulations, Permitting & Guidance	Community Acceptance
🐮 Financial Incentives & Support	Cradle-to-Cradle Life Cycle-Based Procurement
Performance-Based Material Standards	← Low-Carbon Infrastructure
S Market-Based Carbon Pricing	D of C Level Playing Field
PCA Since 1916 America's Comment Manufacturers*	shaped

