

CDOT INDUSTRY STAKEHOLDER EPD WORKSHOP

OPENING REMARKS

AUGUST 16, 2022



Civil, Environmental and Architectural Engineering
UNIVERSITY OF COLORADO **BOULDER**

CDOT Industry Stakeholder EPD Workshop

Thank you

- CDOT
- FHWA
- Representative Tracey
Bernett
- CU-Boulder



University of Colorado
Boulder



U.S. Department
of Transportation

**Federal Highway
Administration**



Construction Engineering & Management
UNIVERSITY OF COLORADO **BOULDER**

Video



What are we doing here today?



- Goal - To educate and inform industry stakeholders (e.g., practitioners, suppliers, contractors, engineers, etc.) about the new CDOT specification and protocol that will require Environmental Product Declarations (EPDs) for asphalt and asphalt mixtures, cement and concrete mixtures, and steel used on CDOT projects.
- More climate and energy legislation at the local, state, and federal level is predicted for the future

* Key stats from the Energy Security and Climate Change budget

- \$250 Million for EPD Assistance (SEC. 60112), which provides funding to support the development and standardization of EPDs for construction materials by providing grants and technical assistance to manufacturers to produce EPDs and invest in
- \$100 Million for Low-Embodied Carbon Labeling for Construction Materials (SEC. 60116), to identify and label low-carbon materials and products for use in federally funded transportation and building projects based on data available via EPDs.
- \$2.15 Billion for Use of Low-Carbon Buildings (SEC. 60503), to be used to specify and install low-embodied carbon materials and products for use in General Services Administration-owned buildings.
- \$2 Billion for Low-Carbon Transportation Grants (SEC. 60506), which reimburses and incentivizes the use of low-carbon materials and products for Federal Highway Administration projects.
- \$4 Billion for Improving Climate Resilience of Affordable Housing (SEC. 30002), which will provide funding to improve the energy or water efficiency, indoor air quality and/or sustainability of projects, and implement low-carbon technologies, materi
- FEMA Building Materials Program (SEC. 70006), which provides financial assistance for the use of low-carbon materials and incentives that encourage low-carbon and net-zero energy projects.



Agenda

- Breakout session – Establishing GHG emission thresholds for materials
- Three breakout groups
 - Asphalt
 - Concrete
 - Steel and precast

7:30 – 8:00: Check-in, registration

8:00 – 8:10: Opening remarks (CU-Boulder - Chris Senseney)

8:10 – 8:30: Keynote Address, State Representative Tracey Bennett, sponsor of “Buy Clean Colorado Act”

8:30 – 8:50: History of Buy Clean Legislation (CU-Boulder - Chris Senseney)

8:50 – 9:15: Overview of LCAs, PCRs, and EPDs (The Right Environment - Joep Meijer)

9:15 – 9:45: Development of CDOT EPD specification and protocol, Q&A (CDOT - Craig Wieden)

9:45 – 10:15: Contractor responsibilities, CDOT project staff responsibilities, entry forms, Pre-con and Pre-pave agendas, Q&A (CDOT - Hailey Goodale and RockSo! - Bill Schiebel)

10:15 – 10:30: Break

10:30 – 10:50: FHWA perspective (FHWA - Brian Dabling)

10:50 – 11:10: Asphalt pavement perspective (CAPA/NAPA – Mike Skinner)

11:10 – 11:30: Concrete pavement perspective (NRMCA – Brian Killingsworth)

11:30 – 11:50: Reinforced steel perspective (CRSI – Rob Kinchler)

Noon – 1:00: Lunch (provided)

1:00 – 1:45: Training

- Administering your First Project with EPD Submission Requirements (Chris Senseney and Bill Schiebel)

1:45 – 2:45: Breakout Sessions

- Discussion: Establishing GHG emission thresholds for materials (in Breakout Rooms)

2:45-3:00: Break

3:00 – 4:00: EPD Panel Discussion (Joep Meijer, Craig Wieden, Brian Dabling; Moderated by Chris Senseney)

~4:00 Workshop adjourns

