CONSTRUCTION INSTITUTE SUMMIT 2020
Los Angeles, CA | February 20-22

Our Vision Is 20/20: Challenge the Past and Engineer Tomorrow

EARN UP TO 17 PROFESSIONAL DEVELOPMENT HOURS

The Westin Los Angeles Airport Hotel
#CIsummit2020 | www.cisummit.org
Committee and Board Meeting Schedule

**Thursday, February 20**
8:00 – 11:30 a.m.  
Temporary Structures Committee | Logan
9:30 - 11:30 a.m.  
Bituminous Materials Committee | Kennedy
7:30 - 10:00 p.m.  
CI Board Meeting and Dinner | Sea-Tac

**Saturday, February 22**
1:45 – 5:15 p.m.  
Claims Avoidance & Resolution (CAR) Committee | Logan
Construction Safety | Kennedy
LADR Editorial Board Meeting | Orly
Management Practices in Construction (MPIC) | Laguardia

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**SCHEDULE-AT-A-GLANCE**

**Wednesday, February 19, 2020**
2:00 – 5:00 p.m.  
Pre-Conference Tour*

**Thursday, February 20, 2020**
7:30 a.m. – 6:00 p.m.  
Registration Hours
8:00 – 11:30 a.m.  
Committee Meetings
1:00 – 2:00 p.m.  
Technical Session 1: Tracks A, B, C, and D
2:00 – 2:30 p.m.  
Networking Break
2:30 – 3:30 p.m.  
Technical Session 2: Tracks A, B, C, and D
3:30 – 4:00 p.m.  
Networking Break
4:00 – 5:30 p.m.  
YP Forum
5:30 – 7:00 p.m.  
Welcome Reception in Exhibit Hall

**Friday, February 21, 2020**
7:00 a.m. – 5:00 p.m.  
Registration Hours
7:30 – 9:15 a.m.  
Opening Plenary Session Breakfast
9:15 - 9:30 a.m.  
Session Break
9:30 – 10:30 a.m.  
Technical Session 4: Tracks A, B, C, and D
10:30 – 11:00 a.m.  
Networking Break in Exhibit Hall
11:00 a.m. – 12:00 p.m.  
Technical Session 5: Tracks A, B, C, and D
12:00 – 1:00 p.m.  
Exhibit Hall Lunch
1:00 – 2:00 p.m.  
Technical Session 6: Tracks A, B, C, and D
2:00 – 2:30 p.m.  
Networking Break
2:30 – 3:30 p.m.  
Technical Session 7: Tracks A, B, C, and D
3:30 – 4:00 p.m.  
Networking Break in Exhibit Hall
4:00 – 5:00 p.m.  
Technical Session 8: Tracks A, B, C, and D
5:15 – 6:45 p.m.  
Reception – Off-site at Proud Bird

**Saturday, February 22, 2020**
7:30 a.m. – 12:00 p.m.  
Registration Hours
7:30 – 8:00 a.m.  
Continental Breakfast in Exhibit Hall
8:00 – 9:00 a.m.  
Technical Session 9: Tracks A, B, C, and D
9:00 – 9:30 a.m.  
Networking Break in Exhibit Hall
9:30 – 10:30 a.m.  
Technical Session 10: Tracks A, B, C, and D
10:30 – 11:00 a.m.  
Networking Break in Exhibit Hall
11:00 a.m. – 12:00 p.m.  
Technical Session 11: Tracks A, B, C, and D
12:00 – 1:30 p.m.  
Closing Plenary Luncheon
2:00 – 5:30 p.m.  
Technical Tour*
1:45 – 5:00 p.m.  
Committee Meetings

* Additional Ticket Purchase Required
Welcome to Los Angeles

On behalf of the Construction Institute (CI) of the American Society of Civil Engineers, we would like to welcome you to CI Summit 2020.

The theme of this year’s CI Summit is Our Vision is 20/20: Challenge the Past and ENGINEER TOMORROW, and as you can see from the program, we will be addressing some of the challenging issues and exploring innovative strategies in the engineering and construction industries. This year’s technical program includes sessions on important topics in the industry, including project delivery, safety, and design, as well as new technologies. Expanding on the success of previous summits, we are continuing the four-track format, including a track devoted to showcasing CI’s Journal of Legal Affairs and Dispute Resolution in Engineering and Construction.

We will kick off the Summit with a tour of the Midfield Satellite Concourse, the newest addition to the Los Angeles International Airport (LAX). In order to meet the needs of travelers and airlines in the twenty-first century, facilities at LAX must be continually upgraded and maintained. You will have an opportunity to see firsthand an improved, state-of-the-art facility for travelers that includes terminal operations, concessions, and overall, an improved passenger experience at LAX.

The technical and industry presentations will begin on Thursday afternoon and continue through Saturday morning, exploring a wide range of topics. CI’s Technical Committees will meet on Thursday morning and Saturday afternoon, if you are interested in attending (everyone is welcome), please see page 2 for dates, times, and locations for each meeting. Additionally, our YP Forum is scheduled for Thursday afternoon, featuring panel discussions on construction training and development programs, and on how to stay abreast of industry and generational changes.

Keynote and Plenary Breakfast

We are honored to have the Deputy Executive Director, Jacob Adams with Landslide Access Management Program (LAMP), as our Keynote Speaker. He will share with us the strategies and techniques behind the $14 billion modernization project of LAX. This ambitious program was executed in the middle of one of the busiest and operationally challenging airport environments in the world.

Closing Lunch

Our Closing Plenary Lunch will include the 2020 Construction Management Award Presentation, and an overview of Los Angeles’ transit system. Our Plenary Speaker, Gary Baker, P.E., Executive Officer, The Los Angeles Metropolitan Transportation Authority, will provide insight into the $18 billion transportation infrastructure improvement program and discuss the challenges of delivering an intricate transit project in the heart of downtown Los Angeles.

We would like to thank the many people that helped make this year’s summit a success, including: Mario Martinez, A.M.ASCE, LINXS Constructors; Amber Shah, P.E., M.ASCE, City of Laguna Hills; Maryam Takla, A.M.ASCE, Turner Construction; Clay Walker, P.E., M.ASCE, HDR Engineering, Inc.; Amarjit Singh, P.E., Ph.D., F.ASCE, University of Hawaii at Manoa, Department of Civil Engineering; and all LADR Track Editors.

Thank you for joining us at CI Summit 2020. We hope you will enjoy the sights of the Los Angeles area, while we deliver you an exciting and engaging conference.

Conference Chair
Dan Becker, M.ASCE, CCM, PMP, CCP, ENV SP, HDR Engineering, Inc.

CI President 2019-2020
Robert M. D’Onofrio, P.E., F.ASCE, Capital, Project Management, Inc.
Wednesday | February 19

Pre-Conference Tour of LAX Midfield Satellite Concourse
2:00 – 5:00 p.m. | LAX Midfield Satellite Concourse

Midfield Satellite Concourse (MSC), just west of Tom Bradley International Terminal, is the first implementation of the progressive design–build delivery method in the City of Los Angeles. Slated to open in the Summer of 2020, MSC will house both international and domestic airlines, and will have two levels of airline club/lounge space as well as 28 concessionaires. This tour of MSC will highlight its principal features, which include self-boarding gates, interactive kiosks for passengers, 5G cellular capabilities, and Ramp Control Tower for managing gate and bussing operations.

Thursday | February 20

Registration
7:30 a.m. – 6:00 p.m. | Grand Ballroom - ABCD Foyer

Technical Session 1: Tracks A, B, C, and D
1:00 – 2:00 p.m. (1 PDH)

Track A – Improving Your Alternative Delivery Project from Cradle to Grave
Grand Ballroom A
Alternative Delivery Projects (including Design/Build), Construction Manager at Risk and Construction Manager/General Contractor have provided some unique opportunities and challenges for organizations now embracing these methodologies. These new delivery methods require fresh approaches and changes to those that are often entrenched in our organizations. This presentation will help owners, consultants, and contractors to exceed their capabilities to impact scoping, value engineering, and partnering methodologies.

Speaker: Renee L. Hoekstra, CVC, Aff. M.ASCE, RHA, LLC.

Track B – Executing Large Scale Emergency Programs
Operation Recovery: The Columbia Gas Story
Grand Ballroom B
Drawing from the experience of a recent series of explosions and fires that resulted from excessive pressure in a natural gas line and caused excessive damage in Lawrence, Andover, and North Andover, Massachusetts, the panel will offer insight into developing operational preparedness and adverse risk strategies for managing and executing a large-scale construction program in a very short timeframe—managing risk—and maintaining a safety culture in the midst of an emergency. Techniques for establishing trust and transparent communications with internal and external stakeholders in a crisis situation will also be discussed.

Moderator: Lisa Nickerson, Nickerson RE & Nickerson PR

Track C – Resilience of Asphalt Pavement Using Innovative Material Additives and Design
Grand Ballroom C
Evidence has proved that rapid and frequent changes in climatic variables such as temperatures and precipitation impact the durability of pavement. This session will explore how to improve pavement durability and resilience through the innovative use of additives and also mix production to improve the properties and performance of the resulting asphalt binder and mixture—as well as potential alternatives.

Moderator: Kang-Won Lee, Ph.D., P.E, F. ASCE, Director of the Rhode Island Transportation Research Center (RITRC)

Speakers: Jenny Liu, Ph.D., P.E., M.ASCE, Missouri University of Science and Technology; Louay N. Mohammad, Ph.D., P.E., F.ASCE, Louisiana Transportation Research Center; Sang-Soon Kim, Sang-Soo, Ph.D., P.E., Ohio State University; Shiuhui Shen, Ph.D., Pennsylvania State University – Altoona; Zhanping You, Ph.D., P.E., M.ASCE, Michigan Technology University
Track D – Resolving Disputes on Loss of Productivity
Grand Ballroom D

Usually calculated as the ratio between input (i.e., labor hours) and output (i.e., installed quantities), labor productivity is affected by many factors during construction, including those caused by owner changes and directed acceleration, as well as those within the contractor’s control. This session will address loss of productivity claims in the context of entitlement, causation, and damage quantification, as well as resolution of such claims, so that owners, designers, and contractors can better avoid, mitigate, and resolve relevant disputes.

Speakers: Tong Zhao, Ph.D., P.E., PSP, Delta Consulting Group; Mark Dungan, Delta Consulting Group

Networking Break in Exhibit Hall
2:00 – 2:30 p.m. | Grand Ballroom - ABCD Foyer

Technical Session 2: Tracks A, B, C, and D
2:30 – 3:30 p.m. (1 PDH)

Track A – Risk-Based Partnering; A New Approach
Grand Ballroom A

To address wide variability in the experience levels of partnering teams, RHA has developed a progressive approach to partnering by addressing the various risks related to a project. In this context, this session will focus on political/social risks, involving communities, permitting, management priorities, users, approvals, media, and internal stakeholders; technical risks, the most common risk category for design and construction projects; and contractual risks, most commonly related to delivery methods, funding, negotiations, scope of work, qualification requirements, certification requirements, incentives, penalties and default processes.

Speaker: Renee L. Hoekstra, CVC, Aff.M.ASCE, RHA, LLC

Track B – Methods for Removing and Installing Headers
Grand Ballroom B

To educate owners, project managers, and contractors on the pros and cons of various installation methods for headers in power units, this session will explore the following options: monorail, track systems, and bull-rigging. Some installations will be demonstrated from start to finish by addressing the various risks related to a project. This session will address loss of productivity claims in the context of entitlement, causation, and damage quantification, as well as resolution of such claims, so that owners, designers, and contractors can better avoid, mitigate, and resolve relevant disputes.

Speaker: Richard L Mikut Jr., P.E., M.ASCE

Track C – Design Loads for Temporary Bridges, Trestles, and Barges
Grand Ballroom C

The goal of this presentation will be to help define the different types of design loads considered for construction trestles, work platforms, and bridge decks. Code requirements for these types of structures will be discussed, along with available resources for the development of construction equipment design loads and other external environmental loads. A demonstration of various methodologies for developing construction equipment design loads when resources are not available will be provided, as well as an examination of challenges faced when estimating the proper impact factors and distribution factors related to construction activities.

Speakers: Tom Petray, P.E. Petray, Parsons; John Brain, P.E., M.ASCE, Acrow Corporation; Dave Rogowski, P.E; Rasim Tumer P.E., M.ASCE, GZA

Track D – Engineering Ethics - From Theory to Practice
Grand Ballroom D

Engineers face a myriad of ethical dilemmas in the course of their careers. This presentation will focus on how theoretical concepts are learned, drawing from three major ethical theories. The difficulties involved in applying these theories to actual situations faced by engineers on a regular basis will be explored. The benefits and risks associated with casuistic analysis will be highlighted. Dr. Bertha will also draw from his experiences as an army officer to navigate the complex field of moral choices in the engineering profession.

Speaker: Carlos Bertha, Ph.D., United States Air Force Academy

Networking Break in Exhibit Hall
3:30 – 4:00 p.m. | Grand Ballroom - ABCD Foyer

YP Forum – Age Diversity & Management Challenges and Solutions
4:00 – 5:30 p.m. | Theater
(1.5 PDHs)

Working for a much older boss can be intimidating, but first-time managers can find their roles even more intimidating. At this interactive plenary session, CI Young Professionals will discuss a power dynamic between two individuals with distinct personalities and backgrounds, in traditional and reverse scenarios. Unique strategies will be presented, to maximize the chances that any particular working dynamic could be a smooth and efficient relationship.

Outstanding Young Professional or Student Award

In 2019, the American Society of Civil Engineers (ASCE), Construction Institute (CI) established the Outstanding Young Professional or Student Award to facilitate engagement for young professionals or students. We are proud to announce that during the YP Forum, we will present an award to one student and one young professional. Congratulations to Sophie Lipomanis and Reza Akhavian, Ph.D.

Moderator: Ryan Sauer, A.M.ASCE, Construction Executive, PC Construction

Welcome Reception
5:30 – 7:00 p.m. | Grand Ballroom - ABCD Foyer

Kick off your conference experience by enjoying hors d’oeuvres and meeting new friends while reconnecting with former colleagues.

Included in Full, Speaker, Moderator, Municipal, Young Professional and ASCE Student member registration rates.

Additional Tickets: $105

Visit www.cisummit.org
Conference Agenda (continued)

Friday | February 21

Registration
7:00 a.m. – 5:00 p.m. | Grand Ballroom - ABCD Foyer

Opening Plenary Session and Breakfast
7:30 – 9:15 a.m. | Concourse Ballroom AB

Call to Order
Dan Becker, M.ASCE, CCM, PMP, CCP, ENV SP, CI Summit 2020 Chair

Welcome Remark
Dan Becker, M.ASCE, CCM, PMP, CCP, ENV SP, CI Summit 2020 Chair

Robert M. D’Onofrio, P.E., F.ASCE, Capital, Project Management, Inc., CI President 2019-2020

Amarjit Singh, P.E., Ph.D., F.ASCE, University of Hawaii at Manoa, Department of Civil Engineering | LADR Track Chair

Marsha Anderson Bomar, AICP, ENV SP, F.ASCE, ASCE, Technical Region Director

Keynote Presentation: Transforming LAX
Speaker: Jacob Adams, Deputy Executive Director, Landside Access Management Program (LAMP)

Los Angeles World Airports (LAWA) is in the midst of a $1.4 billion Capital Improvement Program that is focused on transforming Los Angeles International Airport (LAX) into a truly world class airport. Considered to be the largest public works program in the history of the City of Los Angeles, the LAX modernization includes a combination of airfield, terminal, and landside improvements. This session will provide an overview of the LAX modernization, as well as insight into the challenges and innovative strategies associated with delivering this ambitious program in the middle of one of the busiest and operationally challenging airport environments in the world.

Additional Tickets: $70

Session Break
9:15 – 9:30 a.m.

Technical Session 4: Tracks A, B, C, and D
9:30 – 10:30 a.m. (1 PDH)

Track A – Alternate Delivery Method – CM/GC: How A Contractor Can Significantly Influence Project Design for the Betterment of Project Delivery
Grand Ballroom A

The Mid-Coast Corridor Transit Project includes the Genese Viaduct which is a 1.1-mile-long viaduct. This project is being delivered using a CM/GC delivery method, with Skanska as the CM and WSP as the designer. The CM/GC was able to provide input to the design resulting in a design which was easier to construct. This collaborative design effort demonstrates how alternate delivery methods can help to bring a project to fruition more quickly and more economically. Presenters representing the designer, the CM/GC, and the owner will provide their perspectives on the benefits of this alternate delivery approach.

Moderator: Thomas A. Broz, P.E., S.E., F.ASCE, Program, Design, & Construction Management Services

Speakers: Pooya Haddadi, P.E., WSP; Dan Heiman, Skanska USA Civil; TBA, San Diego Association of Governments

Track B – SuperSpec – A Vision for Specifications Management: Beginning with the End in Mind
Grand Ballroom B

The risk of poor or deficient specifications is still as high as it has been in the past, but can be prevented if engineers, project managers, and owners envision final specifications at the start of a project. The ASCE CI Specifications Committee will demonstrate how to make this vision a reality by focusing on two key solutions for managing specifications: (1) collaboration among stakeholders and within firms fostered by centralized and modern document management systems, and (2) communication of clear definitions of specification deliverables through all project phases to all stakeholders. Fundamental best practices and case examples will be shared and discussed.

Moderator: Rusty Sprouse, P.E., CFM, M.ASCE, Jefferson Lab

Speakers: David M. Siegler, P.E., M.ASCE, New Jersey Turnpike Authority; Theresa Jablonski, P.E., M.ASCE, Nova Consulting; Monique O’Dwyer, P.E., Metropolitan Water District of Southern California; Ross Standifer, P.E., Arcadis

Track C – State of the Industry in Demolition
Grand Ballroom C

Surveys have repeatedly shown a strong need for the repair and replacement of thousands of bridges, with no code or best practices document to specifically address necessary design loading or allowable demands. This presentation will highlight the current need for additional guidelines for demolition analysis, particularly given the complexities of the changing nature of structure capacity and load distribution capabilities as demolition progresses. In addition, a status report will be given on the investigation by ASCE’s Temporary Structures Committee of the current analysis procedures of various demolition engineering and construction firms in an effort to establish recommendations for future demolition best practices.

Moderator: Samantha Kevern, P.E., S.E., M.ASCE, HNTB


Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D

LADR-538 Characteristics of Stipends and Their Value-Adding Potential in Design – Build US Highway Construction
Speaker: Douglas Alleman, University of Colorado–Boulder

LADR-523 Lessons Learned in Design – Build and Construction Manager, At-Risk Water and Wastewater Project
Speaker: Premam Shrestha, University of Nevada, Las Vegas

LADR-529 Labor Shortage and Safety Issues in Post-Earthquake Building Construction: A Case Study
Speaker: Krishna Kisi, Central Connecticut State University
Networking Break in Exhibit Hall
10:30 – 11:00 a.m. | Grand Ballroom - ABCD Foyer

Sponsored by

Technical Session 5: Tracks A, B, C, and D
11:00 a.m. – 12:00 p.m. (1 PDH)

Track A – Utility Engineering through ASCE Standards and Best Practices
Grand Ballroom A
To reduce utility-related risk for the Los Angeles World Airport’s Landside Access Modernization Program (LAMP), Automated People Mover (APM), and Intermodal Transit Facility (ITF) projects, a comprehensive utility investigation was conducted in accordance with ASCE standards and best practices. The methodology used, as well as the challenges, pitfalls, benefits, and lessons learned will be discussed. This case study will provide a roadmap for owners and tips on how to best implement utility engineering with related asset management procedures in accordance with ASCE best practices throughout project development, construction, and subsequent operations and maintenance phases.


Track B – Experience Modification Rate as a Prequalification Criterion for Safety Performance: Shortcomings and Solutions
Grand Ballroom B
Experience Modification Rate (EMR) is commonly used as a prequalification criterion to assess the capabilities of bidders to perform a work safely. This presentation will explore the factors that contribute to the EMR to evaluate its reliability and validity as a prequalifier, using a recent survey conducted for this purpose by Dr. Al-Bayati and the North Carolina Department of Labor of 138 firms that renewed their workers’ compensation policies with an EMR of 1.5 or higher

Speakers: Ahmed J. Al-Bayati, Ph.D., P.E., CHST; Kevin O’Barr, CSP

Track C – Bridge Demolition Case Studies – Even Simple Bridge Removal Operations Requires Detailed Planning
Grand Ballroom C
This seminar will review two bridge demolition projects that highlight various challenges associated with the planning and execution of bridge demolition operations. The first project involves the demolition of the 6th Street Viaduct, an elevated reinforced concrete structure located in downtown Los Angeles. The viaduct crossed a major highway, multiple rail yards, and the Los Angeles River, and was in close proximity to multiple office buildings, warehouses, and residences. The second project involves the demolition activities required during the rapid change-out of an existing 60-degree skewed steel superstructure that carries Commonwealth Avenue and the MBTA Green Line over I-90 (Massachusetts Turnpike) and the MBTA Commuter Rail line.

Speakers: Chris Tollefson, P.E., M.ASCE, Foothills Bridge Co.; Josh Crain, P.E., S.E., M.ASCE, Genesis Structure

Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D
LADR-525 Investigation of Legal Issues in Construction Manager-at-Risk Projects: A Case Study of Airport Projects
Speaker: Ghada Gad, California State Polytechnic University, Pomona

LADR-537 Mock Arbitration as Experiential Legal Education for Construction Management Students
Speakers: Erin Arneson, Colorado State University, Fort Collins; Mehmet Ozbek, A.M.ASCE, Colorado State University, Fort Collins

LADR-541 An Interactive, Online, Authentic Assessment in a British University’s Procurement and Contract Practice Module: A Case Study
Speaker: Scott Silbereis, University of the West of England, Bristol

Buffet Lunch in the Exhibit Hall
12:00 – 1:00 p.m. | Grand Ballroom - ABCD Foyer & Terrace

RIGHT: The remains of the iconic Sixth Street Viaduct, just east of the Los Angeles River. Photo credit: Dbeishei via Wikipedia

Visit www.cisummit.org
Conference Agenda (continued)

Friday | February 21 (continued)

Technical Session 6: Tracks A, B, C, and D
1:00 – 2:00 p.m. (1 PDH)

Track A – Assessing Safety Risk: Integrating Safety, Schedule, and Design
Grand Ballroom A

Building information modeling (BIM) and scheduling software are tools that assist with the planning, design, and construction of projects. Tying BIM and scheduling tools together with safety risk factors enables visualizing the safety risk present on projects prior to the start of construction. This presentation will present research that has led to the development of information and tools that integrate safety, scheduling, and BIM models to enhance safety management in construction.

Speakers: John Gambatese, Ph.D., P.E., F.ASC, Oregon State University; Chukwuma Nnaji, Ph.D., A.M.ASC, The University of Alabama

Track B – Women in Construction: Presentation by WTS-OC
Grand Ballroom B

Prominent women who are leaders in the construction industry will discuss skills and qualifications, careers and advancement, industry trends, and advocacy for women. Panelists will also provide insights on leadership for the future and will examine challenges faced by women of construction and how they overcame them.

Moderator: Margaret Novak, Associate, Business Development, Michael Baker

Speakers: Melanie Estes, Chief Delivery Officer, Anser/DHS – CM Sector; Sandra Polichetti, Sr. Supervisor, SCE – Utilities Sector; Carole Sanders, Client Program Manager, Arcadis – CM Sector; Anh Case, VP, Director of Construction Management, SoCal – EXP – CM Sector

Track C – Heavy Equipment Loading on Existing Structures During Demolition
Grand Ballroom C

The focus of this session will be on safety, quality, demolition means and methods, and recommended design capacity and demand determination best practices, including example drawings to minimize complexity during demolition operations. A recent project will be highlighted with photographic and video demonstrations of staged demolition sequencing and comparison of design intent versus real-world observations. Examples of recommended best practices will be provided (both drawing and photo/video) to improve girder performance and stability during active demolition.

Speakers: Kyle Eyre, P.E., P.Eng., Aff.M.ASC, Kiewit Infrastructure Engineers

Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D

LADR-526 Imperfect Information Bargaining Model for Determining Concession Period of PPPs under Revenue Uncertainty

Speaker: Hongyu Jin, Deakin University

LADR-535 Framework Development of Performance-Based Striping Maintenance Contracts

Speaker: Kishor Shrestha, Washington State University

LADR-536 Review and Survey of 4D Simulation Applications in Forensic Investigation of Delay Claims in Construction Projects

Speaker: Michel Guévremont, Concordia University

Networking Break in Exhibit Hall
2:00 – 2:30 p.m. | Grand Ballroom - ABCD Foyer

Technical Session 7: Tracks A, B, C, and D
2:30 – 3:30 p.m. (1 PDH)

Track A – Workforce Development Seminar: Presentation by WTS-LA
Grand Ballroom A

The Los Angeles Chapter of Women’s Transportation Seminar (WTS-LA) recognizes that a workforce gap is present and growing in the transportation industry in the Los Angeles area. During this session, transportation industry leaders will explore factors causing this growing workforce gap, changes planned by the industry to attract and keep talent, and what must still be done to meet the region’s current and future transportation needs. Leaders from WTS-LA will also explain how this local chapter has focused its programming and resources on bridging the workforce gap.

Moderator: Trisha Murakawa, Murakawa Communications

Speakers: Amanda Daflos, Chief Innovation Officer, Office of Mayor Eric Garcetti, City of Los Angeles; Rossana D’Antonio, Deputy Director, County of LA Public Works; Lou Anne Bynum, Harbor Commission Secretary, Port of Long Beach

Track B – U.S. Bank Stadium (Vikings Stadium) – Success of Exceeding Goals for Workforce, Bringing Reality to Just-in-Time Reporting
Grand Ballroom B

The Twin Cities metropolitan area is challenged with debatable goals, metrics, and reporting involving the region’s workforce. This session will explore a project initiated by the Minnesota Sports Facilities Authority to address these challenges. The success of this proactive plan will be detailed, focusing on integration of technology, leadership support, and supportive dashboards.

Moderator: Debra Brisk, M.ASC

Speaker: Fred Blocton, UpNet Technologies

The U.S. Bank Stadium (Minnesota Vikings football stadium) under construction in Downtown East, Minneapolis, Minnesota, on July 15, 2015

Photo credit: Tony Webber via Wikipedia
Track C – Practical Construction Engineering Concepts for Below-Grade Rebar Cage Handling
Grand Ballroom C
The construction industry currently offers very limited guidance for the engineering of below-grade rebar cage handling. This session will present a practical, start-to-finish engineering approach to ensure safety during hoisting, tripping, and placement of these cages below grade, while also considering constructability and efficiency. Real-life examples and sound engineering methods are given. After attending this session, one should be able to effectively determine the preliminary location and number of lift points, understand the application of internal reinforcing rings, verify cage stability throughout all stages of handling and installation, limit cage deflection, and design basic rigging attachments.

Speaker: Angela Ashley Hunter, P.E., M.ASCE, Kiewit Engineering Group, Inc.

Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D
LADR-528 Investigation of Back Charges in Construction Contract: A Case Study of an Airport Project
Speaker: Krishna Kisi, Central Connecticut State University
Speaker: Rayan Assaad, American University of Beirut
LADR-560 Considerations for Filing Global Construction Claims: Legal Perspective
Speaker: Salam Khalife, American University of Beirut

Networking Break in Exhibit Hall
3:30 – 4:00 p.m. | Grand Ballroom - ABCD Foyer

Technical Session 8: Tracks A, B, C, and D
4:00 – 5:00 p.m. (1 PDH)
Track A – How Cloud and Mobile Technology is Integrating DOT’s, Utilities and their Contractors to Comply to New ROW State Legislation
Grand Ballroom A
This session will review the recently approved Senate Bill 18-167 and the advancement of a technological based utilities and railroad system in Colorado. The discussion will also consider strategies used by Colorado DOT to address these challenges, including leveraging government legislation and regulation, as well as modern cloud and mobile technologies. Partnerships between utilities, telecoms, construction companies, and contractors will be described, as well as their applications in uniform data collection and project management.

Moderator: William McIntyre, Prostar Geocorp, Inc.
Speakers: Robert Martindale, Colorado DOT; Page Tucker, Prostar Geocorp, Inc.

Track B – Unique Construction Challenges for Small Communities
Grand Ballroom B
Rural communities face significant challenges for replacing and upgrading aging and obsolete drinking water and wastewater infrastructure. These communities typically have higher per-user costs due to low populations, and often face unique capacity challenges during and post construction. The U.S. Department of Agriculture’s (USDA’s) Rural Development (RD) Water and Environmental Programs (WEP) provide affordable financing for water and waste projects to improve the quality of life in rural communities. Because the communities funded by USDA are acutely limited in resources, their projects are critical to meet the most basic needs of water and sanitation. This presentation will present efforts to overcome these challenges.

Speaker: Harry E. Taylor, P.E., U.S. Department of Agriculture

Track C – Improving Construction Safety and Efficiency through Developing Design Guidelines for Rebar Cages
Grand Ballroom C
The construction industry currently lacks proper engineering design and detailing procedures to safeguard the stability of rebar cages in the construction stage. This session will explore a research and development project initiated at the University of Nevada – Reno, in collaboration with ASCE Temporary Structures Committee, Charles Pankow Foundation, and several other industry stakeholders and contributors, with the objective of developing simplified design and evaluation guidelines for the construction industry. The project objectives, scope, and plan will be detailed, and practical guidelines that can be used by the entire community to enhance construction safety and efficiency will be presented.

Speakers: Hamed Ebrahimian, Ph.D., University of Nevada Reno; Ahmad Itani, Ph.D., P.E., S.E., F.ASCE, University of Nevada – Reno

Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D
LADR-530 Automated Requirements Identification from Construction Contract Documents using Natural Language Processing
Speaker: Tuyen (Robert) Le, Clemson University
LADR-533 Identification of Geotechnical-Related Problems Impacting Cost, Schedule, and Claims on Bridge Construction Projects
Speaker: Pramen Shrestha, University of Nevada–Las Vegas

Reception – Off-site
5:15 – 6:45 p.m. | Proud Bird
Join us for cocktails and appetizers, while mingling with colleagues.

Included in Full, Speaker, Moderator, Municipal, Young Professional and ASCE Student member registration rates.

Additional Tickets: $115
Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D
LADR-531 How Do Project Delivery Methods Relate to Change Orders in Highway Construction?
Speaker: Douglas Alleman, University of Colorado – Boulder
LADR-551 A Legal Perspective on the Treatment of Delay Liquidated Damages and Penalty Clauses by Different Jurisdictions: A Comparative Analysis
Speaker: Rayan Assaad, American University of Beirut
LADR-566 Fraud and Abuse Schemes in the Disadvantaged Business Enterprise Program
Speaker: Jennifer Shane, Iowa State University

Networking Break in Exhibit Hall
9:00 – 9:30 a.m. | Grand Ballroom - ABCD Foyer

Technical Session 10: Tracks A, B, C, and D
9:30 – 10:30 a.m. (1 PDH)
Track A – Beware of Financial Risks that You May Accept in Your Contract
Grand Ballroom A
This presentation will include a general discussion of indemnity obligations, including the unique and sometimes less than equitable defense obligation in California. The state of the law regarding indemnity and defense obligations in other states will also be explored, focusing on those of Florida, Illinois, New York, and Texas. Practical tips for evaluating indemnification clauses will be provided.
Moderator: Joseph F. Moore, P.E., Esq., Hanson Bridgett LLP

Track B – Mindful Mentorship – Supporting Women in Transportation and Construction
Grand Ballroom B
WTSLA is a stepping-stone for many focused on career development, at every experience level. Entry-level, mid-professional, and executive-level leaders will examine the impact that WTS-La and mentorship has had in their career trajectory, and will discuss how they have set themselves apart from their peers and overcome their challenges.
Moderator: Mahsa Pan, P.E., CCM, Port of Los Angeles, WTS-LA Secretary
Speakers: Speakers: Ayda Safaei, LA Metro; Abigail Flores, LA County Department of Public Works; Hannah Brunelle, Southern California Association of Governments

Track C – Design Change Control Boards
Grand Ballroom C
Recent procedure that has been added to some design contracts/subcontracts for which an innovative contracting method has been used is the inclusion of a design change control board (DCCB). DCCB’s can often help involved parties avoid possible future disputes by getting issues settled early before major costs have been incurred that might otherwise have been mitigated. This presentation is intended to give the audience an understanding of the development and use of DCCB’s, the formation of a DCCB, and duties of DCCB members, and what the parties using the DCCB are expected to do.
Speaker: Bill Hinton, F.ASCE

Track C – Innovation in Asphalt Pavement Construction Technology
Grand Ballroom C
The increasing need for cost-effective greener roadway pavements to maintain longevity and reduce environmental impact can be met through innovations in roadway constructions. This session presents recently adopted technologies, such as thermal imaging with paver, GPS with roller compactors, drones to survey and oversee construction sites as examples of effective tools being integrated by contractors into their practices. Construction of porous pavement, noise-reducing (quiet) pavement, and solar road pavement are presented as innovative alternatives for achieving sustainable and environment-friendly solutions to conventional pavement.

Moderator: Baoshan Huang, Ph.D., P.E., M.ASCE, University of Tennessee
Speakers: Hao Wang, Ph.D., Rutgers University; Shadi Saadeh, Ph.D., P.E., M.ASCE, National Center for Transportation, Green Technology, and Education (TransGET), California State University; Zhongren Wang, Ph.D., P.E., M.ASCE, Office of Pavement Management, California Department of Transportation (Caltrans)

Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D
LADR-578 Site Civil Issues within Construction Defect Litigation
Speaker: Lance VanDemark, University of Colorado – Denver
LADR-564 Enhanced Roles and Traits of the Engineer in Assessing Claims
Speaker: M. Asem Abdul-Malak, American University of Beirut
LADR-549 Key Challenges Related to the Design Professional Liability in the Transportation Design-Build Environment
Speaker: Baabak Ashuri, Ph.D., DBIA, CCP, DRMP, Georgia Institute of Technology

Networking Break in Exhibit Hall
10:30 – 11:00 a.m. | Grand Ballroom - ABCD Foyer

Technical Session 11: Tracks A, B, C, and D
11:00 a.m. – 12:00 p.m. (1 PDH)

Track A – The Importance of Construction Engineering Program Commentary
Grand Ballroom A
A working group within the ASCE/CI Construction Engineering Education Committee is conducting modifications of Construction Engineering Program Commentary. Working group members from academia, government agencies, and the construction industry will discuss the importance of Construction Engineering Program Commentary in the context of body of knowledge, curriculum, accreditation criteria, and guidance to program evaluators. This discussion will be beneficial to industry professionals, faculty, and students, as they will gain deep knowledge about construction engineering education and industry expectations.

Speakers: Susan Bogus, Ph.D., University of New Mexico; Jennifer Shane, Ph.D., Iowa State University; John Gambatese, Ph.D., Oregon State University; Jim Rowings, Ph.D., P.E., M.ASCE, Kiewit; Craig Ruyle, P.E., New York State DOT

Track B – Who’s Right? – A Construction Dispute Resolution
Grand Ballroom B
Construction claims result from delays due to various reasons to disputes between parties regarding interpretation of construction requirements; forums for dispute provide for their resolution. This presentation provides the opportunity for the audience to act as the adjudicator and determine the outcome of a dispute between a contractor and a public agency owner.


Track C – Leading and Leveraging Conflict to Achieve Innovation
Grand Ballroom C
This session will engage attendees in learning about how to constructively lead conflict to enhance their personal leadership skills and promote innovation. Each participant will leave this session with a better understanding of why conflict occurs, conflict management styles, and how conflict fosters innovation. They will also have an opportunity to develop their conflict management skills through interactive exercises, with emphasis on diversity of thought and ideas, team relationships and performance, fostering innovation, and identifying creative solutions.

Speakers: Susan Davis, CAE, Aff.M.ASCE, American Society of Civil Engineers

Track D – Legal Affairs and Dispute Resolution Paper Presentations
Grand Ballroom D
LADR-532 Strategies to Leverage Contractor Experience
Speaker: Mohammed Diab, Minnesota State University Mankato
LADR-576 Managing the Risks of Third-Party Sustainability Certification Failures
Speaker: Fawzi Khalife, American University of Beirut
LADR-581 Decision-Making Governance Platforms for the Progression of Construction Claims and Disputes
Speaker: M. Asem Abdul-Malak, American University of Beirut
Closing Plenary Luncheon
12:00 – 1:30 p.m. | Concourse Ballroom AB

2020 Construction Management Award
Cliff Schexnayder, Ph.D., P.E., Dist.M.ASCE, Eminent Scholar Emeritus, Del E. Webb School of Construction, Arizona State University.

Speaker: Gary Baker, P.E., Executive Officer, The Los Angeles Metropolitan Transportation Authority

The Los Angeles Metropolitan Transportation Authority (Metro), is in the midst of an $18B transportation infrastructure improvement program. The mission is to transform the quality of life in its communities by building a world-class transportation system. The program is comprised of six megatransit projects (under construction), not including other large transit and highway projects which are currently in the planning phase. This presentation will provide an overview of Metro’s capital program, followed by a discussion about the $1.8 Regional Connector Transit Project. Insights into the project will be revealed, such as the challenges and innovative strategies in design and construction, to deliver an intricate transit project in the heart of downtown Los Angeles.

Sponsored by Jacobs
Included in Full, Speaker, Moderator, Municipal, Young Professional and ASCE Student member registration rates.

Additional Tickets: $80

Technical Tour of SoFi Stadium
2:00 – 5:30 p.m. | L.A. Stadium & Entertainment District at Hollywood Park

SoFi Stadium, the new home of the Los Angeles Rams and Los Angeles Chargers, is located at Hollywood Park, a 298-acre global sports and entertainment destination being developed by Los Angeles Rams Owner/Chairman E. Stanley Kroenke in Inglewood, California. The 3.1 million-square-foot SoFi Stadium is the largest stadium in the NFL, as well as the first indoor–outdoor stadium. It seats approximately 70,000, and is expandable to seat up to 100,000, with more than 260 luxury suites and more than 13,000 premium seats. SoFi Stadium has already secured Super Bowl LVI in 2022, the College Football National Championship Game in 2023, and the Opening and Closing Ceremonies of the Olympic Games in 2028.

Meet in the lobby of the hotel at 1:45 p.m. The bus will depart promptly at 2:00 p.m.

Additional Fee: $85

SoFi Stadium under construction in Inglewood, California
Hotel Floor Plan

General Information

Visit www.cisummit.org
Exhibit Hall

Exhibit Hall Hours
Thursday, February 20 2:00 – 6:30 p.m.
Friday, February 21 10:30 a.m. – 4:00 p.m.
Saturday, February 22 7:30 – 11:00 a.m.

Exhibitors


Booth 3: ASCE Orange County Branch – The Orange County Branch serves over 2,500 members including 3 Student Chapters, an active YMF and 6 of the 9 Technical Institutes of ASCE, including the Construction Institute. Visit us at www.asceoc.org.


Booth 12: Kiewit – Established in 1884, Kiewit has become one of the largest and most respected construction, mining, and engineering organizations in North America, providing client solutions through project delivery. Visit us at www.kiewit.com.

Booth 14: WTS WTS-LA is the Los Angeles chapter of the Women’s Transportation Seminar (WTS) and one of the largest WTS chapters, providing exceptional speakers, pioneering programs, leadership training, outreach, mentoring, professional development. Visit us at www.wtsinternational.org/losangeles.

ADA Compliance
The Westin Los Angeles Airport Hotel is fully accessible to the disabled. If you require special assistance at the conference, please submit a written description of your requirements with your registration form or email registrations@asce.org before Monday, January 20, 2020. While ASCE will make every effort to meet the needs of the disabled, accommodations cannot be guaranteed without prior notification.

Attendee Packets
Early-bird and Advance registrants will receive their name badges and tickets at the Registration Desk during registration hours. Due to the time constraints near and after the registration cutoff date, the appropriate paperwork may not have been forwarded to the onsite staff before their departure. Please be sure to bring your confirmation email and a copy of the original paperwork if you registered after January 20, 2020.

Conference Attire
The dress code for the conference is business casual (i.e., slacks, casual dresses). Meeting room temperatures will vary, so wear layered clothing to ensure your personal comfort. We also recommend that attendees wear comfortable shoes. Please note that certain events may have specific details on attire, and you should refer to the event details for more information.

Meeting Room Overcrowding
ASCE/CI will make every effort to schedule popular events in rooms large enough to accommodate anticipated attendance. Because many events are extremely popular, it is wise to select alternative events as you plan your conference schedule. ASCE/CI and the host facilities are REQUIRED to follow local fire regulations and may ask participants in rooms at capacity to choose another event.

Medical Emergencies
We hope that your visit to the Construction Institute Summit will be free from illness or injury, but in case you or a family member needs medical attention during your time at the event, please contact the hotel’s front desk. For life-threatening emergencies, call 911.

“No Smoking” Policy
ASCE/CI supports a “No Smoking” policy. Smoking is prohibited in all venues hosting ASCE events.

Professional Development Hours (PDHs)
You may earn PDHs, which are nationally recognized units of record, by attending concurrent conference sessions. ASCE follows NCEES guidelines on continuing professional competency. Since continuing education requirements for P.E. license renewal vary from state to state, ASCE strongly recommends that individuals regularly check with their state registration boards on their specific continuing education requirements that affect P.E. licensure and the ability to renew licensure. For details on your state’s requirements, please go to www.ncees.org.

Badge Policy and Ribbons
Your conference registration name badge is your admission to the educational sessions. Please wear your badge at all times. Tickets are required for the pre- and post-conference events, meals, and special events. Please be sure to bring your tickets with you to each event as you will not be admitted without a ticket. Ribbons will be available at the registration desk. ASCE recommends you that remove your badge when leaving the hotel.

** Recycle Your Badge Holder**
Please help ASCE stay “green” and reduce extra costs by returning your badge holder at the end of the conference in the receptacles provided by the registration desk.

Recording Policy
Photographic, video, or audio recording of any education session is strictly prohibited without prior written permission from both ASCE and the session presenter(s).

Liability Waiver
I agree and acknowledge that I am participating in ASCE events and activities at my own free and intentional act; and I am fully aware that possible physical injury might occur to me as a result of my participation. I give this acknowledgement freely and knowingly that I am, as a result, able to participate in ASCE events, and I do hereby assume responsibility for my own well-being. I also agree not to allow any other individual to participate in my place.

Photo and Video Release/Waiver
Photograph and Video Release: By submitting the registration form, I hereby release any photographs or videos that may be incidentally taken of me during these events by ASCE/CI to be used for any purpose.

By registering I agree to hold harmless CI/ASCE, its organizational entities, affiliates, officers, directors, employees, members, and agents (collectively “ASCE”). ASCE will not be liable for any loss, damage, or injury for any act or omission arising out of the Conference events and activities. Each registrant acknowledges his or her voluntary participation in the conference events and activities with full knowledge and acceptance of the risks involved, and each registrant assumes responsibility for his or her own well-being.

Program and Session Cancellation
ASCE/CI reserves the right to cancel programs and/or sessions. In the unlikely event of a cancellation, all registrants will be notified.
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