

### Ahmad Abdel-Karim

AECOM

Dr. Abdel-Karim has more than 28 years in experience in design and seismic evaluation of bridge structures. He has participated in numerous research activities with special emphasis on highway structures and is the principal author of a state-of-the-art report on the design/construction of spliced-girder bridges. He currently serves as an associate vice president for AECOM in the Transportation business line, where his duties include business technical oversight, project management, and structural analysis and design.

### Brett Allen

Eclipse Engineering, Inc.

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Brett Allen received his Bachelor's in Civil Engineering at Michigan Technological University in 2012. Summer internships consisted of working at Michigan Department of Transportation as a field inspector for two summers and Kiewit Engineering Company working on temporary structures used in construction. Research experience consists of a summer NEES REU at University of Nevada, Reno working on the curved bridge project and NSF EAPSI-Taiwan recipient studying the effects of high strength materials under high axial loads. Brett received his Master's in Civil Engineering at University of Nevada, Reno in 2015 with graduate studies on the effects of air pressure testing on post-tensioned ducts. Currently he works at Eclipse Engineering, Inc. in Missoula, MT working on a wide range of projects from residential/commercial buildings to rock walls and zip lines.

### Ebrahim Amirhormozaki

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Dr Amirhormozaki is a bridge engineer at Kleinfelder, headquartered in San Diego, CA. Ebrahim earned his PhD from University of Nevada, Reno and his research interests include seismic analysis and performance of bridges. Ebrahim is experienced with design and rehabilitation of transit and roadway bridge structures.

### Eric Anderson

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### Travis Arndt

Department of Transportation & Public Facilities - Bridge Design

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Travis has been designing new structures and rehabilitating existing structures for 14 years with Alaska DOT.

### Moises Arzamendi

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Moi Arzamendi has over 30 years of experience in geotechnical engineering and civil engineering projects that include structures, bridges, tunnels, dams/impoundments, pipelines, water treatment plants, and other municipal developments. His technical expertise includes deep foundations, earthworks, retaining walls, slurry walls, mechanically stabilized earth systems, slope stability/landslide mitigation, soft sediments, ground improvement, dewatering, seismic hazards, pavements and erosion control. He has a B.S in Civil Engineering and M.S in Structural/Geotechnical Engineering from Ohio State University. He is a registered Civil Engineer and Geotechnical Engineer in California.

### Paul Bandlow

Stafford Bandlow Engineering, Inc.

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Paul M. Bandlow, P.E. has 30 years' experience as a Mechanical Engineer. His experience includes design for rehabilitation, new design, inspection, maintenance, balancing, troubleshooting and failure analysis of movable bridge machinery and electrical systems. Early in his career, Mr. Bandlow was employed by Amtrak as Senior Engineer -- Structures and Facilities, a position which functioned in a supporting role to various engineering divisions throughout the country primarily related to movable bridges. He then consulted on movable bridge machinery with Milton C. Stafford, P.E. before co-founding Stafford Bandlow Engineering, Inc. in 1992. Currently, Mr. Bandlow's work is exclusively related to mechanical machinery and electrical systems on movable bridges. Mr. Bandlow has provided engineering services on hundreds of movable bridges of all types nationwide and internationally in Canada and Bermuda.

### Greg Banks

*BergerABAM*

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Gregory A. Banks was the lead bridge design engineer for the Boeing North Bridge for BergerABAM. He has over ten years of experience on bridge and transportation projects and is a member of the PCI Bridge Committee. He is experienced in precast prestressed concrete design, accelerated bridge construction, segmental bridge design, and the seismic design and analysis of bridge structures.

### Michael Barker

*University of Wyoming*

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Dr. Barker received his BS and MS in Civil Engineering from Purdue University and his PhD from the University of Minnesota. He was a Civil Engineering faculty at the University of Missouri-Columbia for 13 years before joining Civil & Architectural Engineering at the University of Wyoming in 2003. Dr. Barker is a participating member of the AISI Bridge Task Force and Design Advisory Group and is a Bridge Technology Center representative to the Short Span Steel Bridge Alliance. His primary research pertains to steel bridges, experimental testing, bridge design specifications, bridge field testing, high performance steel and reliability analyses of structures.

### Mike Bartholomew

*CH2M HILL*

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Mike Bartholomew is the Technology Director for North American Bridges for CH2M HILL. He is currently a member of the International Federation of Structural Concrete (fib) Commission 8 - Structural Service Life Aspects, and is the Subject Matter Expert team leader for the SHRP2 R19A Project on Service Life Design for Bridges. He is also providing technical support for AASHTO Technical Committee T-9 on the subject of Service Life Design and Bridge Preservation. Mike has been involved in bridge design and construction for 39 years, the last 20 with CH2M HILL in Corvallis, OR.

### Craig Boone

*WSDOT*

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Craig is a licensed structural engineer in Washington State. Craig attended Washington State University where he received a Bachelor of Science degree in Civil Engineering (1996). Craig now works for the Washington State Department of Transportation in the Bridge and Structures Office. Craig's primary duties at WSDOT include bridge asset management, project management, and consultant liaison.

### Rick Brice

*Washington State Department of Transportation*

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Rick is a bridge engineer with the Washington State Department of Transportation. He holds a bachelor's degree in civil engineering from Saint Martin's University in Olympia, Washington and a master's degree in structural engineering from Texas A&M University. Rick has worked at WSDOT for 24 years where he is the primary developer of WSDOT's bridge engineering software including BridgeLink, PGSuper, PGSplice, and QConBridge.

### Kelly Burnell

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Mr. Burnell has over 10 years of professional experience working in the bridge engineering field and is currently a Senior Bridge Engineer at Kleinfelder|Simon Wong Engineering (KLF|SWE). Mr. Burnell has provided engineering design and analysis services on a variety of bridge related projects ranging in complexity from rural county road projects to signature light-rail transit structures. He has been involved with all phases of the bridge engineering process from conceptual alternative analysis thru final bridge design and has significant experience providing engineering support during construction. Mr. Burnell has experience with pedestrian only structures as well as concept and final design of pedestrian additions and modifications to existing bridges. Mr. Burnell has experience working on projects with a variety of delivery methods such as design-build, design-bid-build and Construction Manager/General Contractor.

### Ted Bush

*HDR Engineering*

Ted Bush, PE, SE is a senior professional associate and bridge project manager with HDR Engineering in Boise, Idaho. He joined HDR in 2001 after completing his master's degree from the University of Idaho. His 14 years of design experience includes seismic design and retrofit of bridges; as well as the design of steel, prestressed concrete, and post-tensioned concrete highway and aircraft bridges. His seismic design and retrofit experience includes the Main Span of the Golden Gate Bridge, Tappan Zee, BART "A" Line North aerial structures, and the Colorado River Bridge at the Hoover Dam.

### Brian Byrne

*Lochner*

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Brian Byrne, P.E., P.Eng., is an Associate Vice President with Lochner out of their East Hartford, Connecticut office, although works extensively with Lochner's Salt Lake City and Boise offices. He has more than twenty-one years of structural engineering experience within the transportation industry and has managed the structural efforts on ten alternative delivery projects, including the Lardo Bridge Replacement project in McCall, Idaho. Brian's alternative delivery experience includes design-build, CM/GC and P3 and he enjoys their particular challenges. In addition the slide-in-bridge construction (SIBC) technique used on the Lardo Bridge, Brian has developed multiple projects that have used or will be using accelerated bridge construction methods.

### Ian Cannon

*Multnomah County*

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Mr. Lampkin served as the Deputy Project Manager, Data Gathering, and Reporting Lead for this robust project to determine the current condition of the six Willamette River bridges owned and operated by Multnomah County; four of which are registered as historic. The collaborative process used between the County and consultant project team led to a value-based risk assessment to prioritize a wide variety of project types and communicate the anticipated funding needed to maintain the County's investment in these bridges to the general public, to County staff, and the Board of County Commissioners for these critical links in the regional multi-modal transportation system. Other project experience includes the preparation of design concept reports, bridge

selection reports, design calculations, cost estimates, project and production management, capital improvement plan development, construction support services, bridge inspection of in-service bridges and designing numerous types of structures for transportation, heavy rail, and pedestrian infrastructure projects.

### Brice Carpenter

*Bridge Diagnostics Inc.*

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Brice Carpenter obtained a Masters Degree in Civil/Structural Engineering at the New Mexico State University (NMSU) and currently maintains a P.E. License in Colorado and Louisiana. Mr. Carpenter has been with Bridge Diagnostics Inc. (BDI) for over five years and is a primary member of BDI's analysis department. Brice has been involved in the testing and evaluation of bridges, buildings, and hydro-structures around the world.

### Reid Castrodale

*Expanded Shale Clay and Slate Institute*

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Dr. Castrodale is a structural engineering consultant who provides services related to prestressed concrete and lightweight concrete with a focus on bridges. He currently serves as the Bridge Consultant for the Georgia/Carolinas PCI, the Director of Engineering for both the Expanded Shale Clay and Slate Institute and the Carolina Stalite Company, and the Managing Technical Editor of ASPIRE Magazine. He worked for 18 years as a bridge engineer at Ralph Whitehead Associates and the Portland Cement Association. For over 25 years he has been active in bridge related committees at PCI, including serving as co-chair of the PCI Bridge Design Manual Steering Committee during the development of the Manual. He is a graduate of Georgia Tech and has Masters and Doctoral degrees from the University of Texas at Austin, where his research was on pretensioned concrete bridge girders. He is a registered professional engineer in three states.

### Mark Creveling

*Kleinfelder*

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Mark Creveling is Vice President at Kleinfelder and has over 30 years of professional experience. He has been engaged in design and project management of over 250 bridge projects throughout all phases of engineering and planning and has



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extensive experience managing projects for and working with the California PUC, FHWA, Caltrans, the FTA, Railroads, and LRT operations.

### Robert Dameron

*Moffatt & Nichol*

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Robert Dameron is a Principal Engineer with Moffatt & Nichol, and serves as firmwide Director of Moffatt & Nichol's Structures Discipline. Over the past 35 years, Bob has worked on the analysis, design, retrofit, and construction of over 60 bridges, including serving as structural analysis specialist on the seismic design or retrofit of 7 out of California's 10 toll bridges. Bob is a licensed professional engineer in California, New York, and Florida.

### Leslie Daugherty

*Alaska DOT&PF*

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Leslie is a Technical Bridge Engineer for the Alaska Department of Transportation & Public Facilities at their headquarters in Juneau, Alaska. Her design experience includes various types of new bridges, seismic retrofits, and damage repairs. During the summer she travels throughout the state inspecting bridges and providing technical assistance for bridge construction projects. In addition to design and inspection duties, Leslie is the principal editor for the Department's bridge design manual.

### Rafael Davis

*ADOT*

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Rafael S. Davis, PE -- Civil Engineering, Northern Arizona University, his experience includes bridge rehabilitation, bridge widening, construction inspection, new bridge design, and construction troubleshooting. Joined the AzSCE Bridge Technical Committee board in 2013 and currently serves as Vice-president. Mr. Davis has worked in the private sector designing buildings, bridges, and miscellaneous structures. Mr. Davis has worked on numerous alternative delivery projects as a consultant and as a reviewer.

### Barbara Day

*Bentley Systems*

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Barbara has over 28 years of experience in civil and transportation design, engineering, software development. She is a graduate of North Carolina State University and a licensed Professional Engineer in the State of North Carolina. Barbara worked with the North Carolina Department of Transportation Roadway Design unit 1986-1995 as a Roadway Design and Project Engineer. Since this time, she has worked with providing software, support and services of transportation engineering software at Bentley Systems in multiple areas (certification, specifications, marketing, professional services, and sales). Her current role is the Bentley Director of Bridge Information Modeling for the Americas. She is currently involved on the Tappan Zee Hudson River Crossing project efforts and other megaproject efforts to support of the design teams utilizing Bentley bridge solutions. [https://www.linkedin.com/profile/public-profile-settings?trk=prof-edit-edit-public\\_profile](https://www.linkedin.com/profile/public-profile-settings?trk=prof-edit-edit-public_profile)

### Garrett Dekker

*Moffatt & Nichol*

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Garrett Dekker has served the transportation industry for eight years and works as a Bridge Engineer for Moffatt & Nichol. Garrett has worked on award winning transportation projects and specializes in project conception, design and delivery. His work to-date has included projects for local municipalities, state transportation departments and private enterprises. Garrett graduated from the University of California, San Diego and completed a Master's research project which explored the cost feasibility of extradosed bridges. Garrett is a registered professional engineer in the state of California.

### David Dowdell

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David Dowdell, PhD, P.E. has 27 years of varied structural engineering experience in the USA, Canada and Japan dealing with detailed seismic design of bridges, buildings and hydro-electric projects. David holds a PhD in Structural Engineering from the University of British Columbia for work on the seismic design of structures. Currently David is an Associate with Klohn Crippen Berger Ltd., a firm with expertise in transportation, hydropower and mining. Successful bridge projects include the seismic retrofit of the Lions Gate Bridge North Approach



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Viaduct, which was designed using a unique rocking system, and the erection engineering of the San-Francisco Oakland Bay Bridge, completed in 2103.

### Kevin Dusenberry

Jacobs

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Kevin Dusenberry has 33 years of engineering experience in designing roadways, bridges, retaining walls, and sound barrier walls, both as design engineer and as project manager. He has been involved in all aspects of roadway and bridge design, from feasibility studies through construction inspection, for projects throughout the western United States. Bridge projects include simple to complex bridge repair, rehabilitation, widening and new construction. His project management experience includes leading the design effort for three major Design Build projects and as the General Engineering Consultant Project Manager for a \$200M Design Build project. He is well acquainted with the WSDOT "Design Manual", the "Bridge Design Manual," and the AASHTO "LRFD Bridge Design Specifications." Kevin has designed numerous pedestrian bridges, bridges over canals and rivers, and major transportation structures. He has led multidisciplinary teams coordinating all design elements. For the last 15 years he has worked on Design Build projects.

### Shaun Dustin

Campbell Scientific

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Dr Dustin is a practicing professional engineer licensed throughout the West. He graduated from BYU with an MS focused on Geotechnical and Water Resource engineering, and earned his PhD from Utah State University in 2010. His current projects include instrumentation support for projects ranging from small local precast structures to the new Hong Kong-Macau bridge.

### Marc Eberhard

University of Washington

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Marc Eberhard is a Professor of Civil and Environmental Engineering at the University of Washington. He obtained his undergraduate degrees in Civil Engineering, and in Material Science and Engineering from the University of California, Berkeley in 1984. After working for the California Department of Transportation Bridge Design Division in 1985, he received

his MSCE and PhD degrees in Civil Engineering from the University of Illinois, Urbana-Champaign in 1987 and 1989. His research focuses on the service-level and seismic performances of reinforced and prestressed concrete structures.

### Hadly Eisenbeisz

South Dakota Department of Transportation

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Hadly Eisenbeisz is the Bridge Construction Engineer for the South Dakota Department of Transportation. With over 25 years of experience at the DOT, Hadly has spent 17 years as a bridge designer and 8 years in his current position. He has been involved in various projects and research related to accelerated bridge construction (ABC). Topics have included GRS abutments, self-consolidating concrete, Implementation guidance for ABC and ABC catalog of costs and techniques. Hadly is a native of Mobridge, South Dakota, and a graduate of South Dakota State University with a bachelor of science degree in Civil Engineering. He lives in Pierre with his wife and three children.

### Garret Ellingson

McGee Engineering

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McGee Engineering, Inc. specializes in bridge engineering and bridge contractor support engineering. The company provides bridge design and bridge construction management services throughout Oregon, Washington, Alaska, and northern California. Our design philosophy is based on design simplicity. We benefit from our close relationships with contractors, adhering to the principle that ground level knowledge of the building process will result in efficient design and cost-effective construction.

### Robert Fish

Mr. Fish is a bridge engineer with more than 30 years of extensive structural engineering experience, ranging from bridge and tunnel design to bridge engineering design support and construction. He is a companywide resource for seismic analysis and design, cost estimating, and specifications. Mr. Fish has demonstrated expertise in designing with all major forms of building materials, including reinforced and prestressed concrete, welded steel, timber, and masonry. His resume includes many river crossings, among them the multi-award-winning Lake Natoma Crossing in Folsom, California. He currently serves as a principal for AECOM in the Transportation business



line, where his duties include business development, project management, and structural analysis and design.

### Richard Foley

California Department of Transportation - Caltrans

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Richard Foley, a Registered Civil Engineer, is a Senior Bridge Construction Engineer for the California Department of Transportation (Caltrans -- Headquarters Construction). He is a graduate of Drexel University in Philadelphia, Pennsylvania and has 20 years of experience in Bridge Construction and Contract Management; the last 17 have been with the Toll Bridge Program that completed the retrofit and/or construction of many large marine bridges in northern California. He has been involved in the retrofit of the suspension bridge portion of the San Francisco Oakland Bay Bridge and acted as the Structure Representative/Resident Engineer for the Crockett Interchange, the land portion of the Al Zampa (Carquinez) Bridge and was the Senior Structure Representative for the Benicia Martinez Bridge, a \$765M Cast-in-Place Balanced Cantilever Segmental Bridge across the Carquinez Strait. For the last seven years, Mr. Foley has acted as a Risk Manager in the Toll Bridge Program performing risk management and construction coordination on the new East Span Replacement of the San Francisco Oakland Bay Bridge and more recently the removal of the existing steel structure.

### Marc Friedheim

California Department of Transportation

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Senior specialist for Caltrans for the last 9 years, chair of the post-tensioned concrete committee. Project Engineer for several large projects throughout California including the first segment of High Speed Rail.

### Mark Gaines

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Mark Gaines has a Bachelors degree in civil engineering and a Masters degree in civil/structural engineering from the University of Washington. He started with the Washington State Department of Transportation in 2000 as a bridge design engineer, and currently serves as the State Bridge Construction Engineer.

### Michael Garlich

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Michael Garlich, P.E., S.E., has over 45 years of experience in the investigation, analysis, design, preparation of contract documents, and contract administration for a variety of heavy civil works and transportation projects. In addition to structure design, he has worked with contractors in value engineering redesigns, construction troubleshooting, construction engineering, and constructability reviews. Mr. Garlich has prepared erection and demolition plans and procedures for steel and concrete bridges including curved girder bridges, trusses, arches, and bridge rehabilitation. In addition to erection design work, he was Principle Investigator for the Wisconsin Highway research programs "Bridge Construction Live Load Analysis Guide," and recently completed the FHWA design manual "Engineering for Structural Stability in Bridge Construction" and the accompanying NHI course.

### James Gingery

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James Gingery is a principal engineer with Kleinfelder's San Diego office. In his 17 years of consulting experience he has worked in Northern California, Boston, Australia, and for the past 13 years in San Diego. He has practiced broadly in geotechnical and earthquake engineering, with specialization in seismic hazards, numerical modeling, soil-structure interaction, tunneling and ground improvement. He obtained a B.S.C.E. from San Jose State University Cum Laude, a M.S. in Geotechnical Engineering from U.C. Berkeley, and a Ph.D. in Earthquake Engineering from U.C. San Diego. His academic research has focused on liquefaction and nonlinear time history site response analysis, and he has published 19 conference and journal papers.

### Bob Goodrich

OBEC Consulting Engineers

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Bob Goodrich, PE, is originally from Maine, where he received his BS & MS from the University of Maine. Upon completing college, he worked for ODOT's Bridge Engineering Section for 5 years. Since 2004, Bob has worked at OBEC as a bridge project engineer, project manager, and is now the Bridge Division Manager. He has completed a wide variety of

projects, including recent ones such as the Salt Creek Half Viaducts, OR213 Jughandle in Oregon City, and Minto Island Bicycle-Pedestrian Bridge and Trail in Salem.

### Travis Green

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Travis Green, PE (WJE) -- Architectural Engineering, University of Kansas; and Masters of Science in Civil Engineering, Georgia Institute of Technology. Since joining WJE in 2000, Mr. Green has specialized in destructive testing, failure analysis, bridge condition assessment, instrumentation, and load testing. Project experience includes structural investigations, evaluations, load tests, and repair designs for bridges, commercial buildings, and parking structures. His work includes post-tensioned, precast, and conventionally reinforced concrete structures; steel structures; pre-engineered buildings; and masonry wall systems.

### Greg Griffin

*AECOM*

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Greg is a Senior Bridge Engineer with AECOM in Boise, Idaho and has over 25 years of bridge engineering experience. He has a keen interest in seismic engineering and recently served three terms on the Transportation Research Board's Seismic Design and Performance of Bridges subcommittee. In 2001, he was selected as the Professional Fellow for the Earthquake Engineering Research Institute and completed research for a "Preliminary Study on a Simplified Response Spectrum Method for Incoherent Ground Motions of Bridges". When not at work, Greg enjoys spending time with his wife hiking and bike riding and also bow hunting.

### Bob Grubbs

*Oregon DOT*

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Bob Grubbs is a member of ODOT's Bridge Design Unit and the lead bridge engineer for the southwest portion of Oregon. A graduate of Oregon Tech, he is a PE with over 17 years of experience.

### Hong Guan

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### Joel Hahm

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Joel Hahm is a Senior Engineer at Big R Bridge in Greeley, Colorado, specializing in Buried Bridges. He is responsible for design and fabrication of hundreds of buried bridge structures throughout the US and internationally, with the more complex projects typically being in the mining and rail industries. Joel has noted under-utilization of buried bridges in the transportation industry in the US and has been working to share this knowledge and experience with engineers and stakeholders. He has over 20 years of experience in design, consulting, and manufacturing, with an emphasis on construction materials, education & training, construction, and practical applications of geotechnical engineering. He is a graduate of the University of Minnesota and licensed as a Professional Engineer in 24 states. He is actively involved in the development of design & construction specifications involving buried bridges as well as in various ASTM, AREMA, AASHTO, and TRB committees. Joel is also chair of the newly formed TRB Task Group on Buried Bridges.

### Richard Hansen

*Michael Baker International*

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Richard Hansen is a technical manager at Michael Baker International in Salt Lake City. He received a degree in Civil Engineering from Boise State University and masters degree in Civil Engineering from Stanford University. Richard has work on ABC projects including the I-80 over Echo Dam Bridge Replacements, I-15 South Layton DB, the 200 South and Sam White bridge moves on the UDOT I-15 CORE project.

### Finn Hubbard

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Mr. Hubbard graduated with a BS and MS in Civil/Structural Engineering from the University of Wisconsin. Finn worked for the Wisconsin Department of Transportation in the Bridge Office



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from 1985 until 2008 becoming the State Bridge Engineer in 2001. Currently Finn is the Senior Vice President at Fish & Associated Inc. in Middleton Wisconsin.

### Nathan Johnson

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Dr. Nathan Johnson is a Principal engineer at Kleinfelder in San Diego, California. Nathan was previously a Bridge Engineer at the Nevada Department of Transportation and a researcher at the University of Nevada, Reno. He has completed numerous seismic bridge retrofits, rehabilitation projects, bridge designs, and industrial structure designs, and has published several papers relating to seismic retrofit and nonlinear analysis of bridges.

### Jason Kelly

*OBEC Consulting Engineers*

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Jason Kelly, PE, is a Construction Project Manager and the Lake Oswego Office Manager at OBEC Consulting Engineers. He has a Civil Engineering degree from Oregon State University and has worked at OBEC since 2002. He specializes in Federal Aid Construction Inspection and Project Management, as well as safety inspection of in-service bridges. In his role as the Construction Project Manager for the US 26: West Humbug Bridge project, he was responsible for the management, inspection, and coordination of the project and assured the bridge was completed on-time and under budget for the Oregon Department of Transportation.

### Craig Knapp

*Caltrans*

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Craig Knapp is a Senior Bridge Engineer with Caltrans. He received his BS in mechanical engineering from Clarkson University, Potsdam, NY, and his MS in engineering and MBA from California Polytechnic State University, San Luis Obispo, CA. He previously worked for Hunt Engineers, Architects and Land Surveyors, Big Flats, NY. He is currently the Concrete Committee Chair for Caltrans, Division of Engineering Services and is adjunct faculty for the Sacramento State University Construction Management Department.

### Gernot Komar

*Moffatt & Nichol*

Gernot Komar is a Senior Bridge Engineer for Moffatt & Nichol and has over 20 years of experience in all phases of design, analysis, and erection of complex structures. Gernot started his engineering career with TDV, now Bentley Austria in Graz. He is an expert user of the software RM Bridge and has been involved in its development and improvement for many years. In 2000 he established an agency in the US in order to promote and sell the RM Bridge software. After successful couple years he moved into the consulting industry. His experience has involved major bridge projects all over the world, requiring in-depth knowledge and understanding of international design codes. Gernot graduated from the Technical University of Graz, Austria as a Diplom-Ingenieur and received a master degree in civil engineering and economics. Gernot is a registered professional engineer in Austria and California.

### Jeremy LaHaye

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Will be provided later

### Douglas Lampkin

*David Evans and Associates, Inc.*

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To come.

### Brian Leshko

*HDR Engineering, Inc.*

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Brian J. Leshko is a Vice President, Principal Professional Associate and HDR's Bridges & Structures Inspection, Management and Operations Program Leader based in Pittsburgh, PA. He received his B.S.C.E. from the United States Air Force (USAF) Academy, an M.S. in Structural Engineering from the University of Connecticut, and a Master of Civil Engineering with an emphasis in Structural Dynamics from The Johns Hopkins University. Brian served 7 years on Active Duty as a Civil Engineering Officer with assignments as a Design and Construction Engineer, Quality Assurance Evaluator, and Instructor of Civil Engineering at the USAF Academy. He has devoted the last 23 years of his career as a bridge engineer. His experience includes NBIS/Pontis, FCM and in-depth bridge condition inspections; new and rehabilitation designs; and ratings by working stress and load



factor methods. He is an NHI-Certified Bridge Safety Inspector and a former SPRAT-Certified Level I Rope Access Technician with extensive rope access and structure climbing experience inspecting large and complex structures, including: tunnels; water control structures; pipeline structures; and plate girder, box girder, arch, suspension, cable-stayed, segmental concrete and various truss bridges (highway and railroad). Brian has been a Professional Engineer since 1992, and he is currently registered in 16 states.

### Ric Maggenti

*Caltrans*

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Senior Materials and Research Engineer specializing in bridge concrete with the California Department of Transportation (Caltrans). He received his BA in history in 1979 and his BS in civil engineering with a minor in economics in 1985 from California State University, Sacramento, CA. A professional engineer in California, Maggenti has worked for Caltrans since 1983.

### Ahmed Maree

*University of Nevada, Reno*

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My career as a structural engineer has extended over 7 years of professional and academic practice. I have been teaching academic courses concerning "Reinforced and Prestressed Concrete Structures" at Ain Shams University, Cairo, Egypt. I have been participated in various tasks, such as structural analysis and design of reinforced concrete buildings, steel structures, shallow and deep foundation design, and value engineering of structural design. I finished my M.Sc. in Civil Engineering at Faculty of Engineering, Ain Shams University in July 2012 under a title of "Bond Behavior of Structural Lightweight Concrete". After that I was able to publish a paper in Engineering Structures Journal under a title of "Analytical and Experimental Investigation of Bond Behaviour for Newly Developed Polystyrene Foam Particles Lightweight Concrete". I am a Research assistant and PhD student at University of Nevada Reno in a research project under a title of "Anchorage Zone Reinforcing of Post-Tensioned Box Girder Bridges". My objective is to achieve a successful career in structural engineering where my skills I gained through previous experiences can be utilized and developed.

### Michael Marks

*KLJ*

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Mr. Marks received his Bachelor of Science in Civil Engineering from Rutgers University, New Brunswick, NJ and then went on to earn his Master of Science in Civil Engineering from the Massachusetts Institute of Technology, Cambridge, Massachusetts. His graduate work focused on detecting defects in steel bridges using remote sensing techniques. Mr. Marks has extensive experience in steel bridge design and rehabilitation including performing specialty and forensic steel analysis. He works with major steel fabricators to develop transportation and loading plans, and value engineering designs. Mr. Marks also has extensive experience in construction engineering including the development of erection plans, demolition plans, jacking procedures, sheeting design, etc. for major bridge contractors throughout the country.

### Norman McDonald

*Iowa Department of Transportation*

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Norman L. (Norm) McDonald is the State Bridge Engineer for the Iowa Department of Transportation. He has worked for the DOT for 29 years with the last 15 years as State Bridge Engineer. Mr. McDonald is a member of the AASHTO Subcommittee on Bridges and Structures and serves as Vice-Chair on the Technical Committee for Structural Supports for Signs, Luminaires and Traffic Signals (T-12), Chairman of the Technical Committee for Structural Steel Design (T-14), and is a Region III member on the Technical Committee for Bridge Preservation (T-9). Areas of interest include high performance materials, accelerated bridge construction and non-destructive testing. The Iowa DOT Bridge Office is active in numerous areas of research including high mast light towers, ultra high performance concrete, curved girder bridges with integral abutments, and structural health monitoring.

### Nick McDowell

*HDR Engineering*

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Nick McDowell, PE, is a bridge engineer for HDR in Boise, Idaho. He joined HDR in 2006 after completing his master's degree from the University of Idaho. His 9 years of design experience includes seismic design and retrofit of bridges; as well as the design of steel, prestressed concrete, and post-tensioned

concrete transportation structures. His seismic design and retrofit experience includes the Golden Gate Bridge Main Span and New NY Bridge in New York.

### Sami Megally

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Dr. Megally has over 25 years of combined structural engineering research and design experience. He has been involved in major projects including suspension, cable-stayed, segmental, and precast girder bridges. He is a registered Civil Engineers in the States of California and Nevada, and a registered Structural Engineer in the State of California. Dr. Megally is currently a Principal Engineer at Kleinfelder, San Diego, CA.

### Lucas Miner

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### Mohammed Mohammed

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Mohammed Mohammed is a research assistant at the University of Nevada Reno. He finished his Bachelor's and Master's degrees from Ain Shams University in Egypt and now he is working on his PhD at the University of Nevada Reno.

### Patrick Montemerlo

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To come.

### Tim Moore

Washington State Department of Transportation

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WSDOT Mega Projects Bridge Manager  
32 years experience with WSDOT in Bridge Design and Construction Support of Projects  
Significant Projects:  
Led bridge design team

on the SR 509 Foss Waterway Cabled-Stayed Bridge and Puyallup River Balanced Cantilever Segmental Bridge located in Downtown Tacoma. Lead WSDOT Structural Design Reviewer for the New Tacoma Narrows Suspension Bridge Project. Lead WSDOT Structural Engineer for the SR 99 Alaskan Way Viaduct Replacement Program.

### Colin Moran

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Mr. Moran received his Bachelor of Science in Civil Engineering from North Dakota State University, Fargo, North Dakota. Mr. Moran is the Bridge Sector Leader for KLJ in West Fargo, North Dakota. Mr. Moran has been involved in a wide variety of vehicular and railroad bridges, from major river crossings to remote Forest Service bridges. Mr. Moran has extensive experience in steel bridge design and historic steel truss rehabilitation. Mr. Moran works with DOT's, counties, cities and railroads to develop comprehensive transportation plans, which includes the rehabilitation or replacement of bridges.

### Paul Morel

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Paul Morel is currently a Principal Engineer at Kleinfelder with thirteen years of professional experience in bridge design, bridge seismic retrofit and retaining wall design. He has a Master's Degree in Structural and Earthquake Engineering from UCLA. He has been involved in the design and management of a wide range of bridge engineering projects from schematic design phase to final PS&E. He has extensive experience with AASHTO LRFD Bridge Design Specifications and Caltrans Seismic Design Criteria.

### Mike Morrison

ADOT

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I attended Arizona State University. Currently, I work for the Arizona Department of Transportation as a bridge designer. I have been with ADOT for five years. Previously, I worked at Gannett Fleming in their structures department.



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### Mohamed Moustafa

*University of California, Berkeley*

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Dr. Mohamed Moustafa received his M.Sc. and Ph.D. in Civil & Environmental Engineering from University of California, Berkeley, and is registered Professional Engineer in California.

### Shanon Murgoitio

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Shanon Murgoitio was born and raised in Coeur d'Alene, Idaho. She attended the University of Idaho and currently works at the Idaho Transportation Department in the Bridge Asset Management section. For several years Shanon was involved with bridge design, but has spent the last six years involved with bridge load rating.

### Kash Nikzad

*TranTech Engineering, LLC*

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Kash Nikzad, PHD, PE is a Principal Engineer with 22 years of experience with TranTech Engineering. Mr. Nikzad has contributed more than 15 technical papers to engineering journals and conferences.

### Vu Phan

*CH2M HILL*

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Vu Phan is a structural engineer with CH2M HILL. He has over 10 years of experience in bridge and ports project delivery for the Pacific Northwest region including design-build, light rail, and seismic retrofit. He is registered as a Structural Engineer (SE) in the state of Washington.

### Christopher Pitt

*KPFF Consulting Engineers*

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Chris is a structural engineer with 10 years of professional experience, including five years at KPFF in Portland, OR. He graduated from Santa Clara University with a B.S. in Civil Engineering. His passion for seismic analysis and design comes not only from his committed academic and professional

activities, but also from his personal experiences in several sizable earthquakes. Chris and his family live in Portland, Oregon.

### Tanarat Potisuk

*ODOT*

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Tanarat Potisuk, PhD, PE, SE has been in the Prestressed Concrete Standards Engineer position with ODOT since July 2013. Tanarat has 8 years of design and project management experience with a consulting firm and 7 years of post-graduate academic work at Oregon State University completing both Masters and PhD degrees in Bridge Engineering. Tanarat is a registered professional engineer in California, Washington, and Oregon. He is also a registered structural engineer in Washington and Oregon.

### Carlos Ramirez

*Parsons Brinckerhoff*

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Carlos Ramirez, a lead bridge engineer with Parsons Brinckerhoff (PB), has over sixteen years of structural engineering experience, with particular expertise in bridge design, design checking, bridge modeling, load rating, preparation of type selection reports, retaining wall design, bridge inspection, construction support, structure quantities and cost estimates. His bridge design experience includes cast-in-place (CIP) pre-stressed concrete box bridges, CIP concrete box girder bridges, steel bridges, pre-cast concrete I girder bridges, railroad bridges, light rail transit (LRT) bridges, pedestrian bridges, retaining walls, and bridge widenings. He is proficient in the use of relevant software applications including LARSA, L-PILE, CONBOX, RCPIER, SPCol, CSiBridge, WINABUD, WINRECOL, WINFAD and XTRACT. Carlos graduated Lamda Cum Laude from California State University in Sacramento and is fully bilingual (English/Spanish).

### Ali Rejaie

*HNTB*

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Ali Rejaie has 17 years of experience in structural analysis and design with focus on design/build projects and complex infrastructures. He is currently with HNTB Corporations and managing Northern California Structures team.

### Mark Reno

Quincy Engineering, Inc.

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Widely regarded as an expert and authority on steel bridge and seismic design, Mr. Reno has been responsible for the PS&E and construction support of over 130 bridges of varying types and complexities. Mr. Reno's 27-year career includes serving with Caltrans as a Structures Design Branch Chief; an Assistant Chairman of Caltrans' Structural Steel Committee; and a member of the Caltrans Earthquake Committee and Post-Earthquake Investigation Team. Mr. Reno currently serves as a Project Manager on Transportation Projects of varying complexity throughout California and neighboring Western States. Mr. Reno also serves on several national committees and boards, including his current role as the Section Chairman of the Transportation Research Board's Section on Structures where he oversees and directs the work of eight structural committees. One of Mr. Reno's signature projects includes serving as the Structures Project Manager for the retrofit of the San Francisco-Oakland Bay Bridge Suspensions Spans. This Project was awarded the "Top Bridge Retrofit Project of the Last Decade" by the Applied Technology Council and the Structural Engineering Institute.

### Jon Robertson

Teledyne BlueView

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Jon Robertson has worked with Teledyne BlueView for over 6 years and was previously employed as an integration technician at Schilling Robotics. Jon's extensive field experience with offshore operations and with Teledyne BlueView's equipment has given him the tools to develop and conduct 3 day courses on Teledyne BlueView's equipment worldwide. As Manager of Field Operations Jon is responsible for managing a large fleet of demo equipment, field demonstrations, in field customer support requests and technical sales worldwide.

### Phil Rossbach

HDR Engineering, Inc.

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Phil Rossbach is a Vice President and a Senior Project Manager for HDR Engineering, Inc. He earned his Bachelor of Science degree in Civil Engineering from the University of Nebraska in 1981. In his 34 years of experience, Mr. Rossbach has been responsible for directing the study and design of numerous

bridge and transportation projects. Mr. Rossbach is a registered Professional Engineer in Iowa and Nebraska and a registered Structural Engineer in Massachusetts.

### Leonard Ruminski

Idaho Transportation Department

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Leonard received his Master's Degree in Building Structures from Szczecin Polytechnic in Poland and his M.S. Degree in Civil Engineering from the University of Illinois in Chicago. Throughout his 27 years of bridge engineering career he worked for Caltrans, Willdan Associates, Parsons Brinckerhoff, HDR, and for the last 20 years for Idaho Transportation Department in Boise, Idaho.

### Homer Saidi

ADOT

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Homer Saidi, P.E., registered in Arizona is a civil engineer with advanced degrees and academic work in several universities in USA and has been working with Departments of Environmental Quality in Iowa, Water resources and Transportation in Arizona since 1981 with over 14 years in Bridge management Section. He initially inspected bridges mostly in western Arizona and then was reassigned to office due to work related injury. In office, he reviewed inspection reports and then additionally managed the overload program, processing over 120 permits per year with some work in bridge evaluation from 2007 to 2014. Now he is back to reviewing inspection reports and doing anything he is assigned/privileged to do.

### Tony Sanchez

Moffatt & Nichol

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Tony Sánchez is a bridge engineer with Moffatt & Nichol. Over the past 25 years, Tony has worked on the analysis, design, retrofit, maintenance, rehabilitation and construction of over 100 bridges. Tony's projects have ranged from 20 ft timber crossings to major projects like the SF-Oakland Bay Bridge and the Hoover Dam Bypass. Tony earned his BS in civil engineering from UC Berkeley. He earned his MS and PhD degrees in structural engineering from UC San Diego, where he worked under the direction of seismic experts Frieder Seible and Nigel Priestly. Tony is a professional engineer in California, Arizona, Nevada, Utah, Georgia and Louisiana.

### Hassan Sedarat

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Dr. Sedarat has 22 years of experience in the areas of the areas of earthquake resistant design and nonlinear dynamic analysis of structures. He has acquired a broad knowledge of issues related to the application of large-scale computer capabilities to computationally intense structural problems for nonlinear dynamic analyses. He has done extensive work on long-span cable supported structures and developed the computer program SC-Cable in 1999 for simulating construction sequence in cable bridges. He developed algorithm and procedure for automation of strain calculations for performance-based design methodology that was successfully used for various large-scale structures. He was a Chairman of the Computer Applications Committee for the Structural Engineers Association of Northern California (SEAONC/CAC). He has been involved in analysis of a wide variety of civil structures for earthquake resistance such as long-span bridges, floating bridges, train structure interaction, tunnels and ports. He has been part of the SC Solutions team since 1997.

### Ahilan Selladurai

AECOM Transportation

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Mr. Selladurai is a senior bridge engineer with more than 10 years of structural engineering experience in the United States, Singapore, India, Maldives, and Sri Lanka on large-scale structures and medium-scale projects. His primary work experience includes conceptual design, type selection, detailed design, development of plans, and estimating for highway bridges, railroad bridges, and earth retaining structures (retaining walls, culverts, and tie-back walls). Mr. Selladurai also has extensive experience designing post-tensioned building structures and reinforced concrete/steel/masonry and timber buildings. He is well versed in design requirements and specifications for AASHTO load and resistance factor design.

### Hormoz Seradj

Oregon DOT

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Hormoz Seradj is a Steel Bridge Standards Engineer with the Bridge Engineering Section of the Oregon Department of Transportation. He has twenty years with the Bridge Engineering Section and more than eleven years overseas experience in

structural design and construction. He has a MS in civil engineering from the University of Oklahoma in Norman, Oklahoma and BS in civil engineering from the University of Science and Technology in Tehran, Iran. Hormoz holds professional engineering licenses in Oregon and Oklahoma. He designed the first high performance steel tub girder bridge in the United States. Hormoz is a member of two AASHTO's Technical Sub- committees for Structural Steel Design (T-14) and Bearings and Expansion Devices (T-2) of the AASHTO Subcommittee on Bridges and Structures. He also is a panel member of many NCHRP projects.

### Ali Seyedmadani

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As Vice President of PB, Ali serves as the Structure Division Manager for five western states. For the past 28 years, he has been involved in all aspect of transportation projects and has overseen project pursuits, management and delivery of major transportation projects in the west. Currently, he is involved in both traditional and alternative project delivery methods serving public agencies in California.

### Craig Shike

Oregon Department of Transportation

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Craig has worked more than 31 years for ODOT, with 30 years of service in ODOT's Bridge Section. Craig is ODOT's Bridge Operations & Standards Managing Engineer. He has supervised ODOT's Bridge Standards Unit since December of 2009. Craig was also given responsibility for ODOT's Bridge Inspection Unit in December of 2012. Craig graduated with a Bachelor's degree from Oregon State University in 1984 and is registered as a civil engineer in Oregon.

### Paul Strauser

ODOT

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Paul Strauser, P.E., has been with the Oregon DOT since June of 2009. During his time with ODOT, Paul has strengthened dozens of bridge elements and implemented a wide range of strengthening alternatives. Paul enjoys the challenge of working with existing infrastructure and takes pride in providing value to Oregonians by extending the service life of Oregon's inventory.





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### Daniel Stromberg

*Collins Engineers, Inc.*

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Daniel G. Stromberg, P.E., S.E., is the Chief Structural Engineer/Diver at Collins Engineers, Inc. He has over 30 years of experience in the inspection and design of highway and railroad bridges, as well as various waterfront and waterway-related structures. He has managed and conducted over 5,000 underwater inspections of various private and public sector structures worldwide. Mr. Stromberg co-authored the FHWA/NHI manual Underwater Bridge Inspection (2010) and he is also a principle instructor for the manual's accompanying NHI Course 130091, Underwater Bridge Inspection. Mr. Stromberg is a certified ADCI Surface-Supplied Air Diver and an ADCI Surface-Supplied Air Diving Supervisor.

### Iman Talebinejad

*SC Solutions*

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Dr. Talebinejad received his PhD degree in structural engineering from university of Illinois at Chicago. His dissertation deals with the development of a technique for damage assessment and load capacity estimation of bridge structures based on the combination of long-term monitoring data, laboratory tests and numerical analysis of the structure. The results were applied to several bridges including the approach vaults of the Brooklyn Bridge in New York City, the Torino Olympic Bridge in Torino, Italy and the Patroon Island Bridge in Albany, NY. <br>He joined SC Solutions Inc. on July 2011 where he has been involved in FE analysis of different type of civil infrastructures including train-structure interaction analysis of Homer M. Hadley Memorial Bridge, Damage detection analysis of the Alfred Zampa Memorial Suspension Bridge and Seismic analysis of an embedded water reservoir.<br>

### Lee Tanase

*Bentley Systems*

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Over thirty years of progressive engineering and management experience, primarily in the field of bridge engineering and technology. Mr. Tanase is an accomplished professional with expertise ranging from leading bridge design and inspection projects to software development and technology operations. An expert in introducing innovative technical and practical solutions focused on increased efficiency for the full lifecycle

of bridge related projects, Mr. Tanase is an advocate and active participant in the implementation of bridge intelligent modeling (BrIM) worldwide.

### Shayne Tennis

*McGee Engineering*

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See application for Garret Ellingson

### Eric Thorkildsen

*Greenman-Pedersen, Inc.*

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Eric Thorkildsen, P.E. is a Vice President with Greenman-Pedersen, Inc. He is the Principal Investigator for the bridge maintenance training. Eric is a PE in 22 states, has a BS in Civil Engineering from Rutgers University, has worked for the New Jersey Department of Transportation, Caltrans, and private industry.

### Luong (Lou) Tran

*WSDOT*

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I am a senior bridge engineer with Washington State Department of Transportation with 30+ years with bridge design and construction experiences. I enjoy learning new things about bridges. I have presented about five times at the WBC in the past.

### Sammy Tu

*STV INC*

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Mr. Tu is a senior engineer at STV INC and has over 20 year experience in the design for highway and railway bridges, rehabilitation, retrofit and replacement of bridge structures in seismically vulnerable areas. He is registered professional engineer and structural engineer at WA, CA and licensed engineer in Ontario and British Columbia.

### Jeff Turner

*Flatiron*

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Jeff Turner is vice president and district manager at Flatiron with more than 30 years of construction experience. Mr. Turner oversees all operations in the San Diego area and the San



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Marcos office operations. Mr. Turner is also on the board of directors of the AGC San Diego and holds a bachelor's degree in business management from San Diego State University.

### Sebastian Varela

*University of Nevada, Reno*

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Sebastian Varela is a PhD candidate and graduate research assistant at the University of Nevada, Reno. Originally from Colombia, Sebastian received his BS degree in Civil Engineering (Cum Laude) in 2009 and then earned in 2011 a MS degree in Earthquake and Structural Engineering (Cum Laude), both from the University of los Andes in Bogota, Colombia. Since the spring of 2012, Sebastian has been working with Professor Saiidi at the University of Nevada on an exciting project funded by the National Science Foundation aimed to make bridges safer and sustainable.

### Ron Watson

*R.J. Watson, Inc.*

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Ronald J. Watson has a Bachelor of Science degree in civil/structural engineering from the State University of New York at Buffalo. He has over 35 years of experience in the design, manufacture, testing, and installation of high load structural bearings, seismic isolation devices, and bridge deck expansion joint sealing systems. Ron is a fellow of The American Concrete Institute, chairman of the International Joints and Bearings Research Council and currently serves as President of R.J. Watson, Inc., which he founded in 1992. R.J. Watson, Inc. specializes in the design, manufacture and testing of components for the highway and heavy construction industry.

### Brian Westcott

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Executive leader with over twenty five years of global experience in corporate management and governance, business strategy, innovation, marketing, and strategic management of technology, ranging from Board level policy and management for Fortune 500 companies to CEO of venture backed start-ups. Creative ability to develop high performing businesses by increasing innovation, improving productivity and providing better leadership, management and business processes. Industry focus in enterprise software, industrial information

and control (IoT and Industrial Internet) and business services, medical products, energy, clean-tech, industrial equipment and management consulting. Presently CEO of Intelligent Structures an information and decision support company applying cloud based enterprise software, industrial internet sensor networks (IoT), and engineering and economic analysis of data to create high performing structures for a safer and more productive world.

### Brent Whitcomb

*Parsons Brinckerhoff*

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Brent Whitcomb has been working at Parsons Brinckerhoff for the past 8 years as a structural engineer, focusing mainly on bridge design, construction, and inspection. Previously, he studied civil and structural engineering at the Colorado School of Mines, including 5 years on their NCAA baseball to keep active, and later focusing his research on Self-Consolidating Concrete mix design and shear strength. Most recently, Brent spent 2 years in Calgary, Canada as the resident engineer for the St. Patrick's Island Pedestrian Bridge, but is now currently focused on bridge design build projects in Texas and the Denver area.

### William Wu

*Klohn Crippen Berger LTD*

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William has over 15 years of engineering experience with a focus on bridge design, dynamic soil-structure interaction analyses, and construction engineering in the United States, Canada, Europe and Asia. His diverse design background includes highway and railway bridge designs, rapid transit and tunnel structure designs, seismic retrofit and rehabilitation of major bridges, construction engineering for bridge erection, and project management. William has extensive FEA experience in linear and nonlinear, static and dynamic analysis, and structural evaluation and health monitoring. He is sufficient with several structural analysis programs such as SAP 2000, CSI Bridge, S-Frame, MIDAS, and ADINA. He is a registered Professional Engineer in BC Canada and Alaska USA.



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### Yuhe Yang

*Parametrix*

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Yuhe Yang is a Senior Consultant/Structural Engineer at Parametrix, currently leading the preliminary structural design for Sound Transit's Lynnwood Link Extension project. Yuhe has over 25 years design and project management experience. Graduated with a master's degree from University of Miami, and a Bachelor's degree from Tongji University in Shanghai, China.

### AJ Yates

*Michael Baker International*

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AJ Yates is a Structures Manager at Michael Baker International. He is a professional engineer with a strong background in all areas of a bridge's life cycle including planning, design, rehabilitation, construction support, safety inspection, load rating, and asset management. He graduated from the University of Wyoming with a bachelor's degree in Civil Engineering with an emphasis in Structural Systems. He has been in Utah since then working on many unique and innovative ABC projects including I-80; 1300 East to State Street which was the largest SPMT bridge project at that time, and the SR-201 lateral bridge slide which converted a three-span bridge in a single span bridge with an SIBC superstructure replacement.

### Yeo (Tony) Yoon

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To come.

### Zia Zafir

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Dr. Zia Zafir is Vice President and a Senior Principal Engineer based in Sacramento. Dr. Zafir is a registered civil and geotechnical engineer in California. Dr. Zafir has more than 25 years of experience in the field of geotechnical and earthquake engineering and research. Dr. Zafir has been actively involved on seismic hazard evaluations and seismic retrofit for renowned national and international projects. He has published and presented more than thirty papers in international journals and conferences.

### Toorak Zokaie

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To come.



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