**MALCOLM DOUGHERTY**

Biography

HDR

***Vice President and California Transportation Market Group Director***

Malcolm Dougherty currently serves as the California Transportation Market Group Director, a technical expert, as well as a market and industry strategist for HDR. In this role he leads and supports the entire transportation portfolio from Highways & Roads, Structures, Transit, Freight, Aviation, and alternative mode infrastructure throughout California.

Malcolm brings top level leadership and considerable transportation experience to HDR, having served in public and private sector roles over his 32-year career. He has an extensive background in project delivery, project management, mega-projects, alternative delivery, intelligent transportation, and asset management.

Michael Baker International

***Senior Vice President and Western Region Director***

Malcolm Dougherty served as Senior Vice President and Western Region Director at Michael Baker, where he lead approximately 800 professionals in providing services across all aspects of transportation, water, architecture, planning and construction in 21 offices across eight states: California, Arizona, Nevada, Colorado, Utah, Idaho, Alaska and the state of Washington. Previously he served as the firm’s National Practice Executive, overseeing the company’s entire portfolio of projects and focusing on business development and client relationships. He also led the five National Practice Leads to grow the core business and expand the services provided to clients to include emerging technology, rail and transit, and intelligent traffic services. Malcolm also sponsored Michael Baker’s Diversity, Equity and Inclusion Council within the West Region. This group works to identify ways to take meaningful action to lead to positive change, both within the organization and within the communities in which we live and work.

California Department of Transportation (Caltrans)

***CEO***

Malcolm had a 26-year career at the California Department of Transportation (Caltrans), culminating as Director of Caltrans from 2011 to 2018. This leadership position was an appointment by Governor Jerry Brown, and he led the largest State Department of Transportation in the nation and its 20,000 employees, overseeing an approximately $12 billion budget. Malcolm held overall responsibility of the state’s transportation system, including 50,000 lane miles of freeway, a $10+ billion construction program and planning for the future of a multi-modal transportation system by coordinating with the Governor’s Office, California Legislature, the Federal Highway Association (FHWA), the United States Department of Transportation (USDOT) and local cities such as Los Angeles, San Francisco, San Diego, and Sacramento. Prior to serving as Director, he held positions of increasing responsibility including Chief Deputy Director (2010-2011), and Chief Engineer for the State of California (2009-2010).

As Director, Malcolm provided leadership and shepherding of the successful opening of the largest public works project in Caltrans history to date: the $6.4 billion replacement of the East Span of the San Francisco-Oakland Bay Bridge that had previously been damaged by the 1989 Loma Prieta earthquake. This significant mega-project provided a seismically safe, key lifeline link to the Bay Area with a 150-year design life and innovative design aspects to withstand the strangest expected earthquakes in the future.

Malcolm also played a key role in developing the significant transportation infrastructure investment package passed in 2017 by the CA State Legislature through Senate Bill 1. This bill brought $5.4 billion worth of additional annual transportation funding to the state of California for all levels of transportation from investing in trade corridors, reducing congestion, investing in roads and bridges, transit and bicycle and pedestrian facilities. He led the development and the adoption of the California Transportation Plan 2040, a long-range policy plan that provided a collective vision and set of goals, policies, and recommendations to meet the states future multimodal mobility needs and set priorities for future investment and improve the quality of life for residents and economic competitiveness for businesses and the movers of goods.

Finally, while at Caltrans, Malcolm created the position of Sustainability Director to drive investment and policies that would be consistent with improving mobility for all and reducing the potential negative impacts from the transportation system on the environment and communities. This has led the State DOT being a national leader in sustainability, resiliency, equity and community enhancement.

These prestigious professional accomplishments are complemented by Malcolm’s significant contributions to the engineering industry at large. He has served on the boards of numerous industry organizations including:

* Served on the **Intelligent Transportation Society (ITS) of America Board of Directors** (2014-2022; Chair of the Board of Directors in 2019)
* Current **American Society of Civil Engineers** (ASCE) Member (Since 1992)
* Served on the National Academy of Sciences **Transportation Research Board (TRB) Executive Committee,** a part of the National Academy of Sciences (NAS). (2012-2018; Chair of the Executive Committee in 2017)
* Served on the **American Association of State Highway and Transportation Officials (AASHTO)** Board of Directors: (2011-2018; Chair of the Sub-Committee on Construction from 2013-2015)
* Served on **Western Association of State Highway and Transportation Officials (WASHTO)** Board of Directors (2011-2018; President from 2015-2016)
* Served as a Member of the **California Public Works Board** (2011-2018)

Within the community, Malcolm has been involved in the **California Transportation Foundation’s (CTF)** Board of Directors since 2020, a charitable foundation supporting the transportation industry through scholarship programs, support of injured and fallen workers, and recognizing transportation industry accomplishments. A highlight in his participation each year was the 2-day Educational Symposium Mentoring Event. He also was a member of the **Mineta Transportation Institute Board of Trustees** from 2012-2018, a Tier 1 University Transportation Center, organized to conduct research and training in partnership with the Lucas College and Graduate School of Business at San José State University (SJSU).

Finally, Malcolm has been honored by various industry organizations for his leadership and work, including:

* **AASHTO’s Thomas H. MacDonald Award Recipient 2018**, bestowed for exemplary work in the fields of highway administration, engineering, and research. Malcolm was recognized for his leadership in promoting innovation, sustainability, and technology during his career at Caltrans.
* **Women’s Transportation Seminar (WTS) Sacramento Chapter’s Honorable Ray LaHood Award, Man of the Year 2017**. Malcolm was recognized for his leadership and commitment to advance women and minorities within Caltrans.
* **National Association of City Transportation Officials (NACTO) Excellence in Leadership Award 2014** for positioning Caltrans as a national leader on street design, updating its Highway Design Manual in 2012 to facilitate the design of complete streets and, in April 2014, endorsing the NACTO Urban Street Design Guide and Urban Bikeway Design Guide.
* **ASCE Sacramento Chapter’s Outstanding Transportation Engineer Award 2014**, given for outstanding achievements or leadership in civil engineering.

Malcolm’s numerous professional and industry accomplishments speak to the impact he has made, but at the heart of this work has always been one guiding principle: do the right thing for your clients, your community, your colleagues and your industry. For these reasons, we are proud to nominate Malcolm Dougherty for the ITS America Lifetime Achievement Award.

**Career Policy Accomplishment/Achievements**

**Malcolm’s tenure as Director of Caltrans included helping secure support for key policy initiatives and implementing hundreds of laws impacting transportation policy.**

**Significant Policy Achieved Through Legislation During Malcolm's Caltrans Leadership:**

* Played a key role in developing the significant transportation infrastructure investment package (SB 1, 2017) which brings an additional $5.4 billion annually in transportation revenue to CA. Further, this funding is authorized for use for traffic control devices and TMS assets.
* Secured permanent National Environmental Policy Act (NEPA) authority – to allow for expedited delivery of TMS field elements and technology infrastructure.
* Expanded authority to use alternative delivery methods including Construction Manager/General Contractor and Design-Build – currently in use in Caltrans District 4 for a large design-build project focused on over 2,000 field elements.
* Developed minimum safety design criteria for cycle tracks (commonly known as Class IV bikeways).
* Enhanced the Caltrans Performance Measures and Asset Management Plan – for the first time focused on true life cycle replacement and technology upgrades.
* Created the California Freight Advisory Committee with legislative reports due every few years – at full maturity this could include alternative fueling and connected vehicle technology.
* Collaborating with companies and organizations about opportunities to install broadband on construction projects.

**Significant ITS Legislation Passed During Malcolm's Caltrans Leadership:**

* Guided deployment of the Caltrans Truck Platooning Technology Pilot.
* Broad tolling authority for the State of California and local agencies.
* Authorized the first road charge pilot.
* Autonomous vehicle authority (while DMV is lead, Malcolm served on the key state committees regarding the implementation of pilots).

**Other Significant Achievements:**

* Implemented the CA Fog Detection and Warning System – using advanced technology to notify travelers of dangerous weather conditions and slow speeds.
* Lead the examination and expanded use of suicide barriers on key structures in California - which was pivotal in expanding the use of camera technology on bridges.
* Championed several wrong way driver technologies pilots – direct application of innovative technologies to save lives.
* Initiated the I-80 SMART Corridor Project on a key 20 mile corridor in the Bay Area between San Francisco and Vallejo. The integrated corridor mobility project provides motorists real-time traffic information including variable advisory speed signs and blocked lane signs, along with real-time message signs and adaptive ramp meters.
* Initiated GPS in Caltrans fleet vehicles to ensure employees were maintaining proper speed limits reflecting the Caltrans’ mantra that safety is the top priority.
* Specifications for the use of reclaimed asphalt pavement (RAP) of up to 40 percent for hot mix asphalt (HMA) mixes.
* Lead first of its kind projects that addressed wildlife impacted through transportation projects including fish passages and wildlife crossings.
* Established a relationship with Waze to allow for shared real-time traffic data between Waze and Caltrans’ QuickMap providing transportation users additional data points about traffic information.
* Prioritized and increased the participation of small businesses, minority-owned businesses, and women-owned businesses on transportation projects.
* Directed development of the Caltrans 12 District bike/pedestrian plans – including focus on vulnerable roadway users and the technology that can provide safer mobility for the VRUs.
* Implemented new striping standard in California (2018) with wider, brighter and more durable striping, allowing both human drivers and driverless cars to “read the road” more easily and clearly.