

CURRICULUM VITAE

Harlan L. Kelly, Jr., P.E.

Mobile

Email:



LICENSURES / EDUCATION

Professional Civil Engineer in the State of California
B.S. Civil Engineering, University of California at Berkeley, 1986
Certified Project Manager, University of California at Berkeley Extension

PROFESSIONAL EXPERIENCE

City and County of San Francisco, San Francisco Public Utilities Commission (SFPUC)

GENERAL MANAGER

September 2012 to Present

Oversees, manages and directs the third largest municipal utility in California, and a Department of the City and County of San Francisco with a workforce of 2,500 employees providing drinking water to 2.8 million customers throughout San Francisco and three Bay Area counties; wastewater services to San Francisco; and green hydroelectric and solar power to San Francisco's municipal departments. Oversees \$10 billion in capital programs for water, sewer and power, including the \$4.6 billion Water System Improvement Program, the \$6.9 billion Sewer System Improvement Program, and the \$1.8 billion Hetch Hetchy System Improvement Program. Oversees the CleanPowerSF clean energy program. As an authority on water, sewer and power policy, speaks at numerous summits, forums and conferences nationally and internationally. Interacts regularly with the SFPUC Commission, Mayor, Board of Supervisors, regulatory agencies, and community at large.

ASSISTANT GENERAL MANAGER, INFRASTRUCTURE DIVISION

May 2003 to September 2012

Managed and directed program and project planning, design and construction management staff and consultants, and all associated activities to ensure that these capital programs – \$10 billion in programs and projects over a 10-year time frame – met the triple bottom line of achieving economic, environmental and social goals. Provided oversight of the Bureaus of Program Control and Support, Project Management, Engineering Management, Environmental Management, Construction Management, and Contracts Administration. Developed and implemented policies, procedures and initiatives. Managed Program Directors for all the capital programs (Water, Power, Sewer). Served as Acting General Manager when assigned. Served on the Citywide Construction Contracting Task Force, and the Joint Union-City Council. Served on the Citywide Capital Planning Committee.

City and County of San Francisco, Department of Public Works (DPW), now San Francisco Public Works (SFPW)

CITY ENGINEER OF SAN FRANCISCO, and DEPUTY PUBLIC WORKS DIRECTOR, ENGINEERING

June 1996 to April 2003

Served as Deputy Director for Engineering and City Engineer for the City and County of San Francisco. Formulated departmental policy and procedures for Bureaus of Project Management, Engineering, Architecture, Construction Management, and Street-Use and Mapping. Streamlined Bureau operating budgets for efficiency and transparency. Performed executive oversight of major Earthquake Safety and Seismic Improvement bond program and capital improvement projects totaling \$2 billion, including the San Francisco Main Library, City Hall Seismic Retrofit, War Memorial Opera House, 9-1-1 Emergency Communications Center, Moscone Center Expansion, and Laguna Honda Hospital Rebuild. Directed day-to-day functions of a division with a combined annual operating budget of \$100 million. Monitored all capital activities within the City and County of San Francisco. Recommended and established citywide and departmental policies, procedures and legislation related to implementation of capital projects, in conjunction with Mayor, Supervisors and other City officials; residents; community groups; labor organizations; and the private sector. Provided leadership during emergencies and natural disasters. Developed new methodologies of construction on capital projects, by working intensively with the Deputy Director for Operations and staff, and establishing initiatives such as Job Order Contracting. Introduced and implemented usage of a City and County Geographic Information System (GIS) basemap, and other technological innovations.

ACTING DIRECTOR OF PUBLIC WORKS

May 2000 to November 2000

Responsible for chief oversight and administration of the Department's 1,600 employees; annual operating budget of \$250 million; Earthquake Safety and Seismic Improvement bond programs totaling \$2 billion; other capital projects; and the divisions of Engineering, Financial Management and Administration, and Operations. Responsible for Department-wide policy development. Reported directly to the Mayor.

PROJECT MANAGER

August 1992 to May 1996

Managed multiple projects for diverse clients, including design and construction of the new San Francisco General Hospital Parking Garage; construction of Clean Water Program projects such as Bayside Treatment Facilities Management Information System and Distributed Control systems [hardware and software technology improvements to facilitate operation of wastewater facilities]; and design and construction of City Hall Telecommunications, a component of the City Hall Retrofit project, to transform City Hall into the technology-smart building that it is today. Developed project management plans to manage project team executing the work. Managed project scope, schedule and budget to ensure projects were completed at the highest level of quality, and within schedule and budget.

SYSTEMS MANAGER

August 1991 to July 1992

Developed Citywide Pavement Management and Mapping System (PMMS), which was a database program incorporating field inspection data. This PMMS database was used to coordinate all work on City streets with other City agencies, and to prioritize paving projects in the City.

RESIDENT ENGINEER

May 1990 to July 1991

Managed and oversaw the contractor performing work on the \$6.2M Kezar Stadium Project construction, ensuring that the project was built in accordance with plans and specifications, on time and within budget. Inspected site to ensure progress and conformance to construction and safety standards; resolved technical issues (e.g., differing site conditions, schedule delay, etc.) with the contractor; communicated project status to the general public; performed project cost control by tracking construction progress relative to contractor payment requests and change order requests. Negotiated change orders.

DESIGN ENGINEER

September 1988 to April 1990

Responsible for structural finite element analysis and design of various structural elements for multiple projects that included the Kezar Stadium Project entrance structure. Also drafted technical specifications, prepared plans, and performed construction cost estimates. After the 1989 Loma Prieta Earthquake, worked in conjunction with the Department of Building Inspection to put into practice an innovative rapid-assessment placard system, still being used today, in which buildings were inspected by the City's engineers, and assigned a red, yellow or green tag, depending on whether or not residents or occupants were banned from the building, could gain restricted access, or were cleared for unrestricted access. Also developed database for earthquake recovery reporting, and to compile critical data for many uses, including FEMA funding requests.

CIVIL ENGINEER

December 1987 to August 1988

Served as Section Manager for the Planning and Control Section. Managed and supervised in-house staff to develop a software database tracking system for staff resource planning and allocation. Later modified the database to include implementation of project scheduling features. Also served in Assistant to Bureau Chief of Engineering capacity, preparing the Bureau of Engineering's operating budget, and analyzing staff resources for the new fiscal year. Analyzed and prepared Management by Objective (MBO) reports for Bureau of Engineering initiatives and projects for review by the City Administrator. Performed analyses on special projects.

JUNIOR CIVIL ENGINEER

June 1986 to November 1987

Worked with various project teams on roadway design projects, preparing engineering calculations, plans, specifications and cost estimates.

STUDENT TRAINEE

May 1984 to May 1986

Assigned to support project managers/engineers, conducting investigations and preparing project designs for construction. Generated reports, conducted research, and assisted with onsite inspections of construction work.

HONORS (partial list)

- 2018 Induction – Distinguished Alumni, University of California at Berkeley – Department of Civil and Environmental Engineering
- 2017 Celebration of Black American History (CBAH) – Lifetime Achievement Award
- 2016 Award for Commitment to Developing Career Training and Employment for Youth – Rotary International
- 2015 Silver SPUR Award for Excellence in Public Service – San Francisco Planning and Urban Research
- 2014 Public Service Award – San Francisco NAACP
- 2013 Award for Outstanding Service to the Community – Young Community Developers
- 2012 Public Works Leader of the Year – American Public Works Association
- 2012 Good Government Award for Managerial Excellence – Municipal Fiscal Advisory Committee (MFAC) of San Francisco Planning and Urban Research (SPUR)
- 2012 Heroes and Hearts Award for Community Service – San Francisco General Hospital Foundation
- 2012 Local Hero Award for Community Service, KQED Media
- 2010 Construction Management Association of America Distinguished Owner Award
- 2010 Construction Management Association of America Project Achievement Award
- 2009 Willie L. Brown, Jr. Award, A. Philip Randolph Institute
- 2009 San Francisco Youthworks Program Sustainer Award
- 2007 Alex L. Pitcher Humanitarian Award
- 1997 Eminent Engineer Award, National Engineering Honor Society, Tau Beta Pi
- 1997 San Francisco Human Rights Commission, Stanley Lim Award

PUBLICATIONS (partial list)

The Value of Water – A Compendium of Essays by Smart CEOs, 2014.

“Viewpoint: Dodging Responsibility for Water Infrastructure a Monstrous Mistake”, American City and County Magazine, November 2012.

“Seismic Security for a Shaky Situation”, Water Online, June 15, 2012.

“Seismic Security: Plan for Delivering Water to 2.5 Million People”, Public Works Magazine, November 2011.

AFFILIATIONS AND VOLUNTEERISM

Co-Founder / Administrator, Project Pull

This youth internship program has been in continuous operation since 1995. In Project Pull, interns are provided full-time, paid work opportunities with City and County of San Francisco (City) mentors in City Departments (e.g., SFPUC, Public Works, San Francisco Municipal Transportation Authority [SFMTA], Port of San Francisco, City Controller) for the summer. Project Pull is the longest-running youth program of its kind in San Francisco.

Member, American Society of Civil Engineers (ASCE)

Member, Construction Managers Association of America (CMAA)

Member, National Society of Black Engineers (NSBE)

Board of Directors, National Association of Clean Water Agencies (NACWA)

Board of Directors, Bay Area Council

Board Member, Northern California Dr. Martin Luther King Jr. Community
Foundation

Board of Directors Emeritus, Embarcadero YMCA

Board of Directors Emeritus, Bayview Hunters Point Multipurpose Senior
Services

Lifetime Member, NAACP
