Los Angeles Times

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From the Los Angeles Times
Editorial

Full speed ahead on Long Beach port improvements

The Middle Harbor project would update old piers to increase cargo capacity while cutting pollution. Posturing by other cities and environmental and labor groups shouldn't be allowed to interfere.

May 11, 2009

Southern California's strict environmental rules and green political culture make it notoriously difficult to build industrial facilities here, especially when they're on the coast and bring pollution with them. That's as it should be -- with the worst air quality in the country, Los Angeles and environs have to take extraordinary measures to protect residents' health and welfare. But there are times when the touchy local environmental community doesn't know when to unman the barricades and declare victory.

That time is now in Long Beach, where the City Council on Tuesday must decide whether to approve an environmental study for the first major project at the Port of Long Beach since 2002. The Middle Harbor project would update a pair of old piers to double the amount of cargo they're capable of handling, adding thousands of good-paying jobs. And it would incorporate innovations that would ultimately cut pollution generated by the facility to half the current level, despite the traffic growth.

The project would do this by increasing on-dock rail capacity, meaning most of the added cargo could be carried to and from the docks by train rather than more-polluting trucks. The piers would have clean cargo-handling equipment and would allow container ships to plug in to shore-based power while docked, so they wouldn't have to keep their engines running during loading and unloading. That would cut a tremendous amount of diesel pollution, as would rules imposed on ships using the new terminals -- they would have to switch to low-sulfur diesel fuel when within 40 miles of the port, and slow down to about half their normal speed.

Despite the obvious benefits, several cities and organizations are lobbying the council to send the environmental report back to the city's Harbor Commission for more study, which could further delay an already overdue project. The cities of Riverside and Commerce fear the new terminals would add truck and train traffic in their communities (even though the study shows the traffic increase wouldn't be significant), and environmental and labor groups including the Center for Biological Diversity, the Natural Resources Defense Council and the Teamsters are raising a host of picayune objections, such as the notion that the port should have to account for emissions with only a tenuous relationship to the project -- for instance, the greenhouse gases emitted by ships along the entire journey from their home countries to the port.

That's posturing, not environmentalism; blocking this project would foul both the region's economy and its air. The Long Beach City Council should embrace green growth at the port and approve it.

presstelegram.com

A sensible, green port plan

LB project addresses concerns over emissions, and should go forward.

Posted: 05/11/2009 09:27:37 PM PDT

The City Council today will review a $750 million, 10-year project for the Port of Long Beach that would modernize two terminals, reduce port pollution and make the port more competitive.

If this were all the Middle Harbor Project would accomplish, the sensible decision would be approval so that construction - and job creation - could begin this summer.

Opponents, including the city of Riverside, say that the project at Piers D, E and F would contribute to increased inland pollution from trains. They also want more than the $5 million set aside to combat greenhouse gases, and they want the City Council to send the environmental impact report back to the Harbor Board, which has spent eight years and millions of dollars on proving that the project will not harm the environment. In fact, by using only environment-friendly equipment such as electric cranes and hybrid machinery the project would reduce emissions at the site by half. In a Comment page article on these pages Sunday, Harbor Board President James C. Hankla said the project would be a "showcase of environmental possibilities for ports worldwide."

If this were all the project would accomplish, the sensible decision would be to begin construction as soon as this winter.

But there are more benefits. In addition to creating 1,000 construction jobs for at least a decade, the project would create thousands more after it's completed. With local unemployment running near 12 percent, that's significant.

If that weren't enough of an incentive, the project would generate $15 million in grants for such things as air filters for schools and senior centers and health screenings for residents who live near the port.

If that's not enough to move the project forward, container capacity will be doubled. It's crucial that the port remains an attractive, efficient facility for the goods that consumers want. The economy will rebound, and when it does, the port must be in a position to accommodate more traffic.

Port officials have, in the past few years, taken impressive steps to minimize its negative impacts on nearby residents and the community as a whole. In addition to its clean trucks program, it has expanded dock-

side electrical hookups, which allow ships to turn off their diesel engines and "plug in" to keep their systems running. The new facilities would utilize that technology and expand on-dock rail, which reduces truck traffic. And, more and more, that truck traffic is far less polluting, because new trucks, with low-polluting diesel engines, are replacing older rigs.

We can appreciate the concerns of opponents who fear that the project will create more pollution. But harbor officials have done what's right, air-quality-wise, to ally those fears.

Sending the environmental impact report back to the Harbor Board, as opponent propose, would only delay a project that, we think, should begin immediately. The City Council shouldn't hesitate to go forward.

ROBERT G. KANTER, Ph.D.

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Dr. Kanter is the Managing Director Environmental Affairs and Planning for the Port of Long Beach, a position that represents the culmination of over 30 years of technical and managerial experience in both the public and private sectors in Southern California. He received his masters and doctoral degrees in biology from the University of Southern California. Before joining the Port, Dr. Kanter was corporate vice president and senior scientist for private consulting firms, where he adminstered corporate finances, human resources, and marketing, and conducted research on a variety of environmental issues.

For the Port, Dr. Kanter directs three Divisions of over thirty scientists and planning professionals who manage issues associated with land acquisition, terminal and infrastructure development, terminal operations, transportation infrastructure, environmental compliance, leasing covenants, and supervision of the Port's permitting agency role. Dr. Kanter personally supervises long-range planning related to Port development and environmental stewardship. He negotiates agreements with regulatory agencies and Port tenants, serves as a port industry representative on policy advisory committees at the State and Federal levels, and works directly with local and state elected and appointed officials to help guide the development of proposed legislation and regulations. He is an effective communicator, both orally and in writing, and makes numerous presentations to technical and non-technical audiences at local,national, and international conferences. Dr. Kanter is especially skilled at assessing new regulatory and legislative situations, formulating policy to address those situations, and identifying and implementing appropriate plans of action to carry out policy.

EDUCATION

- Ph.D., Biology, University of Southern California, 1977.
- M.S., Biology, University of Southern California, 1973
- B.A., Biology, California State University Northridge, 1969.

PROFESSIONAL EXPERIENCE

Port of Long Beach, Long Beach California—2006 to present: Managing Director of Environmental Affairs and Planning-Management, oversight and administration of the Planning Bureau (Environmental Planning, Transportation Planning

and Master Land use Planning divisions), as well as integration of Bureau functions. His responsibilities include implementation of the Port's Green Port Policy and compliance, long and short term land use planning, roadway, rail, and other transportation related planning. Responsible for regulatory and political relationships, negotiations, and other interactions with local, State and Federal Agencies.

1999 – 2006: Director of Planning and Environmental Affairs. Responsible for setting Planning Division policies and strategies for implementation of technical projects. Manages planners and scientists conducting the activities of the Master Planning, Transportation Planning, and Environmental Planning sections. Administers Division budgeting, staffing, Board of Harbor Commissioners actions, permit acquisition and issuance, and consultant oversight. Conducts regulatory negotiations, provides legislative support, represents the Port in public hearings and conferences. During Dr. Kanter's directorship the Port has received numerous awards for environmental programs including: Federal EPA Air Quality Award; Water Quality Control Board award for Storm Water Pollution Prevention Program; American Association of Port Authorities award for Comprehensive Environmental Program.

Significant Accomplishments

- ***Planning and Environmental Affairs Division –*** Dr. Kanter built a division that integrates scientists and planners in a team focused on advancing Port priorities in development, international trade, and environmental stewardship. He created a collegial, professional environment that fosters teamwork and efficient project implementation, and identified and implemented key Port initiatives, as described below, to advance the Port's interests. As a result of Dr. Kanter's leadership, the Port is recognized as an industry leader in developing and implementing cutting edge, award-winning projects.
- ***Green Port Program*** – Dr. Kanter was a principal author of the Green Port Program, including development of the program's overall structure and goals and the metrics for the wildlife, air, water, and sediments and soils components. He worked closely with other Port divisions to integrate Sustainability and Communication/ Public outreach into the program and is responsible for program implementation, annual report production, and presentations to the Board, City Council, and the public.
- ***Clean Air Action Plan*** – Dr. Kanter is a principal author of the San Pedro Bay Clean Air Action Plan and is responsible for policy decisions related to content and implementation. He lead extensive negotiations, guided technical decisions among the partners (Port of Los Angeles, Air Quality Management District, California Air Resource Board, and U.S. Environmental Protection Agency), and conducted the Port's public outreach. The plan is a milestone in environmental improvement and interagency cooperation.

- ***Oil Operations MOU*** – In order to resolve long-standing use conflicts in the Port's surface areas, Dr. Kanter conceived and led the development of a Memorandum of Understanding between the Port and the Long Beach Oil and Gas Department that established long-term oil set-aside areas. This achievement enabled Port development to advance while preserving and promoting existing oil operations for the benefit of the City and Port.
- ***Environmental Documentation Protocols*** – Faced with a dramatically increased level of criticism of Port environmental impact reports, which are required for project approvals and permitting, Dr. Kanter recognized the need for established protocols that would standardize development of legally defensible environmental documents, thereby reducing opportunities for challenge. He convinced Port management of the need to halt major projects until the protocols were in place, and then directed the development of the protocols, including coordinating regulatory agency buy-in and integrating technical contributions (e.g., environmental, transportation, land use, and cargo forecasts) into the document.
- ***Outreach Materials*** – Recognizing the need to educate the public on port issues, Dr. Kanter directed the production of public outreach materials that communicate highly technical information in user-friendly formats, including brochures on the economic benefits of Ports, port operations and trade flow, water quality and marine biological resources in the harbor, and air quality improvement projects.

1989 - 1999: Manager of Environmental Planning. Managed the five to eight environmental professionals of the Environmental Section of the Planning Division. Responsible for the Port's compliance with environmental rules and regulations, the preparation of environmental documents (EIR/EISs) necessary for project approvals and permit acquisition from Federal and State regulatory agencies, the cleanup of contaminated soil, water, sediment and air, and Harbor Development Permit issuance and oversight. Responsible for managing personnel, budgets, and key projects. Represented the Port before regulatory agencies, elected officials, and the public.

Significant Accomplishments

- ***Project Management System*** – Dr. Kanter introduced a project management system to track and control project budgets that often exceed $1 million and to manage project schedules. The system enables multiple projects to be tracked in a single contract, contract provisions to be monitored, deliverables to be tracked, and invoices to be reviewed and approved according to standardized procedures.
- ***Pier A Superfund Site Cleanup*** – As project manager for cleanup of a State Superfund site located on newly acquired Port property, Dr. Kanter was able to fast-track the site investigation, regulatory negotiations and approval process, and cleanup of the site to facilitate terminal development. A key factor in his success

was his knowledge of when and how much to compromise with the state agencies and the former land owner, who bore financial responsibility for the cleanup.

- ***Invasive Species Legislation*** – Dr. Kanter represented California ports in negotiations and crafting of legislation aimed at preventing the introduction and spread of non-indigenous species in California waters. He worked directly with Senator Ted Lempert and his staff, and with the California State Lands Commission, the California Water Resources Board, and the California Coastal Commission to help craft a bill that would protect the environment while addressing the concerns of vessel operators and the ports regarding safety, technical feasibility, and cost.
- ***Master Storm Water Program*** – When the Clean Water Act's non-point source (storm water) permit program was first promulgated, Dr. Kanter recognized that landlord ports were an unusual case that would be a challenge to fit into the existing permit program. To meet the Port's needs he developed a custom-designed program that protects the Port's customers from unnecessary regulatory agency involvement while giving the Port a considerable degree of control over environmentally significant operations in leaseholds. The Port's program also integrates requirements of the City's Municipal Permit and the general construction activities program. The program won an award from the Regional Water Quality Control Board and is cited by the EPA as a model for other ports to follow.

MEC Analytical Systems, Inc., Carlsbad, CA -- 1987 to 1989

Corporate Vice President. Corporate Principal responsible for development and implementation of company policies and procedures related to administration, finance, personnel, and marketing. As a senior scientist, responsible for the design, conduct, and management of projects related to water, soil/sediment, and biological resources.

Significant Accomplishments

- Developed a business and marketing plan that included diversification of services and client base.
- Developed and built a business practice dedicated to bioassay and toxicity testing that serviced ports, refineries, power plants, and other industrial facilities
- Converted company from closely held to employee stock ownership.
- Raised corporate profitability by over 200% in two years.

Western Office Interiors -- 1985-1987

Vice President of Operations. Responsible for managing internal operations including

accounting activities, computer operations, sales support staff, and customer service. Responsibilities included staffing, daily operations, and computer support (hardware and software) for all administrative activities.

The Gabourie Agency -- 1984 to 1985

Manager of Computer Operations. Responsible for design, installation, and operation of computer systems to support the sales and accounting departments. Provided technical support to marketing and sales divisions.

MBC Applied Environmental Sciences -- 1978 to 1984

Senior Scientist. Principal Investigator and senior program manager responsible for the design of marine biological environmental studies. Key projects included a multi-year, multi-million dollar investigation of the thermal effects of nuclear power plants on the marine environment, investigations into the toxic effects of oil spilled into the environment, and environmental studies of a proposed liquefied natural gas terminal.

ADVISORY COMMITTEES

- South Coast Air Quality Management District AQMP Advisory Committee
- National Academy of Science Advisory Committee on Coastal Science and Policy
- U.S. Department of Interior Invasive Species Advisory Committee
- National Research Council Advisory Committee on Ecosystem Health and Research
- California Association of Port Authorities Invasive Species Technical Advisory Committee.
- State of California Advisory Committee for Bay Protection and Toxic Sediment Cleanup
- State of California Advisory Committee on Enclosed Bays and Estuaries and Inland Surface Waters

Eric C. Shen, PE, PTP

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Registrations

- Professional Engineer – Civil, California (No. C56116)
- Professional Engineer, Alabama (No. 22587)
- Professional Transportation Planner (No. 9), Transportation Professional Certification Board, Washington DC.

Teaching & Education Credentials

- **Industry Lecturer, *Traffic Engineering and Control (CE585).* University of Southern California E585), 2008**-present
- **Lecturer, *Introductory to Transportation Engineering (CEE180).*** 2000-2006 & ***Traffic Engineering – System Operations and Control (CEE181).*** **UCLA**, 2006
- **Lecturer, *Traffic Control Systems Laboratory (CE129),*** UC Irvine, 1996 & 1997
- **Master of Science in Civil Engineering (Transportation)**, UC Irvine
- **Bachelor of Science in Civil Engineering with Honors**, UC Irvine
- **Research Assistant, Institute of Transportation Studies,** UC Irvine, 1990-1993.
- **Completed Training Courses**: National ITS Architecture, Transportation Security, California Environmental Quality Acts (CEQA), Federal Highway Financing

Leadership, Awards & Honors

- **Recipient of the 2007 Special Award of Merit – Pasadena Pedestrian Plan**, by American Planning Association Los Angeles Section, California Chapter
- **Recipient of the 2005 Best Transportation Planning Program**, by the Transportation Planning Council, Institute of Transportation Engineers
- **AASHTO 2004 National Transportation Management Training**, Mystic, CT. August 2004
- **2003 Distinguished Engineering Alumnus,** UC Irvine Alumni Association
- **Tau Beta Pi**, National Engineering Honor Society
- **Chi Epsilon**, National Civil Engineering Honor Society
- **Outstanding Civil Engineering Student of the Year, Class of 1993.** UC Irvine
- **University of California Transportation Center (UCTC) Scholarship**

Professional Affiliations

- **Transportation Research Board (TRB)**
  Chair, Ports & Channels Committee (AW010)
  Member, Critical Transportation Infrastructure Protection Committee (ABE40)
- **American Society of Civil Engineers (ASCE)**
- **Institute of Transportation Engineering (ITE)**
  Maintenance & Operations, ITS Executive Council
  Transportation Planning Council
- **WTS-Los Angeles Chapter**, Board of Directors

Community Involvements

- **Arcadia Education Foundation Trustee, CA**
- **Arcadia American Little League Board of Directors**
- **Hugo Reid Elementary School PTSA**
- **UC Irvine Engineering Alumni Advisory Council**

Publications

- Pasadena **Pedestrian Plan, 2006.** Principal author
- Pasadena **General Plan Mobility Element, 2004.** Co-author
- Pasadena **Neighborhood Traffic Management Program Community Handbook, 2005.** Principal author
- Pasadena **Guidelines for Transportation Review of Projects, 2005.** Principal author
- **"Effectiveness of the MUTCD 3B-27 Advance Speed Hump Markings"** – Institute of Transportation Engineers, 2007 Annual Meeting, Pittsburgh, PA
- **"The 2004 Pasadena Mobility Element: A Case Study In Shaping Future Transportation Services"** - Institute of Transportation Engineers, 2005 Annual Meeting, Melbourne, Australia
- **"Use it or Lose it – How does Pasadena change its belief in the coordination of land use and transportation?"** Institute of Transportation Engineers, 2002 Annual Meeting, Philadelphia, PA
- **"Neighborhood Traffic Management – A Grassroots Solution".** Institute of Transportation Engineers, District 6 Meeting, Palm Desert, CA, July 2002
- Lead staff in preparing the transportation element of the **East Pasadena Specific Plan, East Colorado Specific Plan, Central District Specific Plan**, and over 10 major Environmental Impact Reports
- **"OAK-TREE: One-of-a-Kind Traffic Research and Education Experiment".** Co-author, Transportation Research Record 1603, TRB Washington D.C. 1997.

Career Highlights

DIRECTOR OF TRANSPORTATION PLANNING

THE PORT OF LONG BEACH, CALIFORNIA
October 2007 – Present

Oversee planning, design and development of future transportation strategies, as well as the evaluation of the current transportation system. Help to implement the Port's Green Port Policy programs to reduce air pollution from goods movement. Represent the Port to regional, state and federal transportation agencies. Provide technical and policy advice in the following key initiatives:

- Southern California 2010 Regional Transportation Plan Technical Advisory Committee
- Southern California National Freight Gateway Collaboration
- Southern California Multi-County Goods Movement Action Plan
- Southern California Trade Corridor Infrastructure Fund (TCIF) Consensus Group
- Coalition for America's Gateways and Trade Corridors (CAGTC)

TRANSPORTATION PLANNING & DEVELOPMENT MANAGER

DEPARTMENT OF TRANSPORTATION, CITY OF PASADENA
2000 – 2007

Managed citywide transportation planning activities; reviewed and approved traffic impact review on all projects; reviewed and prepared transportation analyses in Initial Studies and EIRs; developed annual capital projects that are consistent with the General Plan and specific plans; pursued state and federal grant funds through collaborative project development process; managed multi-million dollars projects in capital improvements; developed and monitored the City's transportation impact review process; researched and developed new projects/initiatives to promote alternative modes of transportation.

Career Highlights (Cont.)

SENIOR TRANSPORTATION ENGINEER
GARDNER SYSTEMS & DKS ASSOCIATES, CA
(1997-1999)

Project Manager for the "I-405 Freeway Detector Testbed Design/Build Project" in Orange County, CA. Responsible for the research, design and installation of data communications via fiber network and spread spectrum radio.

Project Manager for the "Section-Related Measures of Traffic System Performance" project with University of California Irvine PATH program. Detection algorithm development and field implementation for the loop-based travel time measurement.

Project Engineer for the Los Angeles MTA Countywide Bus Signal Priority (BSP) Demonstration Program; Gateway Cities Traffic Signal Synchronization and Bus Speed Improvement Project; and Jinan (China) Traffic Management System Integration & Training.

Project Engineer for the Oregon State Intelligent System (ITS) Strategic Plan; Traffic Management Center System Development & Upgrade for the City of Stockton, California; and the AC Transit HOV Lane Design & Transbay Terminal Study in Oakland/San Francisco.

TRANSPORTATION ENGINEERING ASSISTANT
BUREAU OF ATSAC OPERATIONS, CITY OF LOS ANGELES
DEPARTMENT OF TRANSPORTATION (LADOT)
(1993-1997)

Responsible for the City's real-time traffic management, signal systems and research. Specialized in Type-170 and NEMA-based controllers timing design, communication and operations; researched and developed signal timing by using appropriate computer models. Participated in the following special operations: 1994-1996 Los Angeles Marathon citywide traffic management team; 1994 Northridge Earthquake Recovery Traffic Management; 1996 Regional Power Outage Traffic Response. Staff member of the 1993 "Fuel Efficient Traffic SIgnal Management" (FETSIM) Team. Responsible for developing and monitoring areawide traffic management improvements for a total of 275 intersections in the South Central, Hollywood and Wilshire District.

ENGINEERING FELLOWSHIP
FEDERAL HIGHWAY ADMINISTRATION (FHWA, USDOT)
CENTRAL FEDERAL LANDS HIGHWAY DIVISION
DENVER, COLORADO, 1992

Larry L. Cottrill
639 Brookline Place
Fullerton, CA 92835
714-293-6586

CAREER SUMMARY

Demonstrated accomplishments in managing and performing complex planning analyses including technical forecasting, plan evaluation, economic impact analysis, fiscal impact analysis, land use modeling and market feasibility studies.

EDUCATION

M.U.P. (Master of Urban Planning), University of Washington, Seattle, WA *(1973-75)*
Concentration: Regional science and plan evaluation.

B.S. Urban Planning (*With Honors*), Cal Poly, Pomona, CA *(1967-71)*
Concentration: Land use planning and urban design.

PROFESSIONAL EXPERIENCE

Director of Master Planning *(2007-)*
City of Long Beach Harbor Department, Long Beach, CA

- Direct all short and long range cargo forecasting studies.
- Direct preparation of planning protocols for projecting terminal capacities and project-related growth-inducing impacts.
- Direct all efforts related to assessing economic impacts of port activities and projects, including the development and maintenance of input-output models.
- Direct all land use planning studies and Port Master Plan updates.

Manager of Master Planning *(2001-2007)*
City of Long Beach Harbor Department, Long Beach, CA

- Managed the development of a new input-output modeling system for estimating port economic impacts.
- Managed the preparation of a facilities master plan for Toyota's marine terminal.
- Prepared a market feasibility study for logistics uses on a landlocked, 40-acre parcel.
- Prepared a land use plan for Pier T East that recommended a new deep-water crude terminal.
- Prepared a land use plan for Pier F that provided expansion for refined product storage.
- Managed the preparation of a San Pedro Bay container vessel forecast.
- Managed the preparation of a survey-based truck driver income study.
- Maintained the state-certified Port Master Plan including the preparation of Plan amendments.

Goods Movement Specialist *(2000-2001)*
Southern California Association of Governments, Los Angeles, CA

- Prepared a feasibility study for an inland port facility.
- Worked on rail policy issues related to enhancing freight capacity.

Deputy Director of Planning and Research *(1990-2000)*
City of Los Angeles Harbor Department, San Pedro, CA

- Prepared economic impact analyses using PC-based input-output models of regional and state economies. Analyzed all major construction projects and lease renewals.
- Managed preparation of port's long-range cargo forecasts.
- Prepared market feasibility studies for new liquid and dry bulk terminals.
- Prepared periodic reports on West Coast port competitiveness.

- Co-managed with Port of Long Beach counterpart a transportation master plan study for San Pedro Bay.
- Represented the port on city's General Plan Framework Study, Port Area Transportation Specific Plan Study and the General Plan Advisory Committee. Represented the port on SCAGs Goods Movement Advisory Committee and I-710 MIS multi-agency working group.

Harbor Planning and Economic Analyst *(1985-90)*
City of Los Angeles Harbor Department, San Pedro, CA
- Managed the development of San Pedro Bay's first PC-based input-output modeling system including surveys of local port industry for the development of expenditure vectors.
- Participated in the port's first long-range cargo forecasting study in support of port expansion.
- Coordinated consultant study to estimate the demand for retail and visitor-serving uses in selected area of the port.
- Prepared a comprehensive zoning ordinance for the harbor district.

Member of Technical Staff *(1980-85)*
TRW, Inc., Defense and Space Systems Group, San Bernardino, CA
- Worked on siting criteria for basing M-X missile support facilities. Used GIS to plot criteria and identify optimum sites.
- Performed studies to estimate the economic, land use and public facility impacts on local governments of constructing and operating the M-X missile system.
- Managed consultant study to estimate the fiscal impacts of basing M-X in four western states.

Planner III/Economist *(1976-80)*
Orange County Environmental Management Agency, Community Planning Div., Santa Ana, CA
- Prepared fiscal impact studies for a community plan for a rural residential area and a large new town development.
- Managed the preparation of the North County Industrial Market Study based on an assessment of industrial location factors.
- Managed the preparation of the South Coast Retail Market Study using a gravity model to construct isoquants of shopping probabilities.
- Managed the preparation of the Dana Point Specific Plan consisting of a land use plan, design guidelines and various implementing ordinances.

Associate Planner *(1975-76)*
City Planning Department, Oklahoma City, OK
- Prepared various planning data for fiscal and transportation studies in support of a growth management plan.
- Prepared EDA application and successfully obtained grant for developing a survey-based input-output table for the city.

Assistant Planner *(1971-73)*
City Planning Department, City of Dallas, TX
- Served as staff to a council-appointed committee to prepare environmental quality goals and objectives including those related to transportation, air emissions and urban design.
- Collected and analyzed economic data for a municipal growth plan.
- Prepared a fire station location plan.

OTHER EXPERIENCE

Lecturer *(1983-86)*
Department of Urban and Regional Planning, Cal Poly, Pomona, CA
Taught graduate courses in statistics and applied quantitative analysis for planning students.

Subcontractor/Consultant *(1987-88)*
Provided land use and economic impact analyses to prime contractor on major construction projects including off-shore oil production.

Charter Member of the American Planning Association
Member of the National Association for Business Economics

EXPERIENCE

Port of Long Beach August 2006 – Present
Senior Environmental Specialist

- Develop and implement San Pedro Bay Clean Air Action Plan (CAAP).
  - Work cooperatively with air quality agencies and the Port of Los Angeles to develop the CAAP – implementing the Green Port Policy.
  - Develop the San Pedro Bay-wide Standard for air quality.
- Develop the ports' Clean Truck Program – an aggressive $2 billion program to modernize a fleet of 16,000 privately owned drayage trucks.
- Assist the development of the POLB CEQA air quality protocols.
- Oversee the preparation of Middle Harbor EIR air quality analysis.
- Manage on-going Emissions Inventory program.
- Coordinate port-related regulatory efforts with air quality agencies.
- Participate in terminal lease negotiations regarding the implementation of stringent environmental lease covenants.
- Supervise Environmental Planning interns and mentor junior staff.

Port of Long Beach March 2005 – August 2006
Environmental Specialist

- Manage Port of Long Beach Air Quality Program.
  - Review and comment on pending legislation and regulatory proposals.
  - Develop air quality metrics to monitor air pollution rates at marine cargo terminals.
  - Solicit and manage contracts for air quality professional services.
- Develop environmental lease conditions for new terminal leases to reduce the impact of port operations on the community and environmen
- Review air quality analyses and health risk assessments in CEQA documents.
- Organize public meetings, outreach, and press events related to air quality improvement programs.
- Port Liaison with air quality agencies such as SCAQMD, CARB, and EPA.
- Supervise Planning Division interns conducting work on permit processing and air quality issues.
- Member of the Clean Ports Planning Team, part of the Clean Ports USA Retrofit Workgroup.

Port of Long Beach May 2002 – February 2005
Environmental Specialist Associate

- Manage Port of Long Beach Air Quality Program.
  - Project Manager for Port Baseline Emissions Inventory.
  - Project Manager for $2 million retrofit program for diesel oxidation catalysts and emulsified diesel fuel for captive yard equipment.
  - Manage 5½-year air particulate fallout study, including community outreach and participation of local high schools.
  - Obtain federal and state grants for air quality improvement projects.
  - Initiated liquefied natural gas-powered yard hostler demonstration program.
- Port Liaison with air quality agencies such as SCAQMD, CARB, and EPA.
- Manage groundwater monitoring and sampling of the TCL Consent Order Study Area under an operations and maintenance agreement with DTSC.

THOMAS A. JELENIĆ

Port of Long Beach March 1999 – May 2002
Environmental Specialist Assistant

- Manage soil and groundwater investigations and the disposal of contaminated hazardous wastes.
- Manage record keeping and reporting of Port-generated uniform hazardous waste manifests covering the disposal of 25,000 tons hazardous waste.
- Manage Port of Long Beach Air Quality Program.
  - Develop Port Alternative Fuels Study to determine the most cost-effective technology to reduce emissions form terminal equipment.
  - Work with the Deep Sea Vessel/Shipping Channel Technical Working Group to develop the Vessel Speed Reduction Program.
- Process permits under California Coastal Act and manage environmental document preparation under California Environmental Quality Act.
  - Project Manager for the Carnival EIR to develop a cruise terminal in the Port of Long Beach.
  - Prepared Negative Declaration for THUMS Energy Plant Project to develop a 47-megawatt power plant to provide power to oil operations in the Long Beach Harbor District.

Miller Brooks Environmental, Inc. June 1998 – March 1999
Staff Engineer

- Conduct site inspections, soil sampling, and groundwater sampling.
  - Manage Phase I investigations, including regulatory and historical record search.
  - Conduct Phase II soil and groundwater sampling activities.
- Oversee groundwater well installation and abandonment.
- Prepare reports documenting findings.

EDUCATION

University of California, Irvine

- Bachelor of Science in Civil Engineering
  - with emphasis in transportation and water resources
  June 1998
- Bachelor of Science in Environmental Engineering
  June 1998

CERTIFICATES/ TRAINING

- 40-hour Hazardous Waste Operators and Emergency Response (HAZWOPER) Training with annual 8-hour refresher courses.
- Fundamentals of Dispersion Modeling Course (by Trinity Consultants)
- AERMOD/ISC Modeling Computer Laboratory (by Trinity Consultants)
- Marine Terminal Safety Training (by Port of Long Beach)
- Marine Terminal Management Training Program (by AAPA, NAWE, & MARAD)
- Engineer-in-Training/Fundamentals of Engineering Certificate (State of California)

References available upon request

CHRISTINE M. HOUSTON
The Port of Long Beach
925 Harbor Plaza
Long Beach, California 90802
562-590-4160
houston@polb.com

SUMMARY OF QUALIFICATIONS

Senior scientist responsible for coordination of Port of Long Beach sustainable practices and greenhouse gas emission reduction planning and implementation, including renewable energy and carbon sequestration programs.

EMPLOYMENT

1999 – present *Senior Environmental Remediation Specialist/Sustainable Practices Coordinator, City of Long Beach Harbor Department*

Coordinates sustainable practices for Port operations and implementation of greenhouse gas emission reduction strategies, including renewable energy and biological sequestration projects. Manages large soil, groundwater, and marine sediment remediation and compliance projects. Maintains liaison between Department of Navy and City of Long Beach for cleanup of the former Long Beach Naval Complex.

1996 – 1999 *Environmental Remediation Specialist, City of Long Beach Harbor Department*

Performed environmental assessments and multi-million dollar cleanups of property owned or considered for purchase by Port of Long Beach.

1978 – 1996 *Consultant, various firms*

18 years of consulting experience, ranging from USEPA National Priorities List site evaluation; management of Industrial Pretreatment Program for a large, metropolitan POTW; chemical technician at USEPA contract lab; site assessments and remediation, including Cal-EPA "Cortese List" sites; preparation of certified industrial facility oil spill prevention plans.

EDUCATION

BS, Geology (with honors), San Diego State University, 1978

Jolene M. Hayes
Transportation Development Manager, Port of Long Beach
925 Harbor Plaza
Long Beach, CA 90802
(562) 590-4158

Professional

Transportation Development Manager, Port of Long Beach, CA

- Manage transportation review of port-related development projects, including preparation of traffic studies and environmental analyses
- Represent the Port on regional goods movement initiatives, including the 710 Corridor Study
- Seek regional/state/federal funding for transportation infrastructure projects
- Actively participate in legislative initiatives that support goods movement activities

Supervising Transportation Analyst, City of Irvine, CA

- Project Manager of the Irvine Guideway Demonstration Project, a proposed $285 million, 5-mile fixed transit project. Key activities included a funding agreement, preparation of an EIR/EA, engineering design up to 35 percent, and significant public/stakeholder outreach
- Managed implementation of the City's local shuttle system
- Managed Irvine (Metrolink/Amtrak) Station operations, including leases, parking, security, and special events
- Represented the City on regional initiatives, including three major corridor studies and the Regional Transportation Plan

Senior Transportation Planner, City of Pasadena, CA

- Managed transportation review of private and public development projects, including preparation of traffic studies and environmental analyses
- Managed the Neighborhood Traffic Management Program, including public outreach, design, and implementation via coordination with various stakeholders and other City departments
- Worked in tandem with the Planning Department to update the Land Use and Mobility Elements of the General Plan
- Represented the City on various regional planning efforts, including Mobility 21, Los Angeles County Congestion Management Program update, Regional Bicycle Master Plan development, and the Regional Transportation Plan update

Education

December 1999 University of Texas at Arlington, *Master of Arts, City and Regional Planning*
August 1997 University of Texas at Arlington, *Bachelor of Arts, Political Science*

Affiliations

- Transportation Research Board; member since 2004, friend and paper reviewer for ABE30 in 2007 and 2008
- Urban Land Institute; Public Sector Chair for ULI Orange County Young Leaders Group (2006 – 2008)
- Women's Transportation Seminar, Orange/Los Angeles County Chapters
- Institute of Transportation Engineers
- American Planning Association

HEATHER TOMLEY

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WORK EXPERIENCE

Port of Long Beach

4/05 - Present

Assistant Director of Environmental Planning

- Supervised the staff responsible for air quality and water quality programs
- Co-wrote the San Pedro Bay Ports Clean Air Action Plan (CAAP)
- Managed CAAP implementation and progress reporting
- Established and managed the Ports' Technology Advancement Program
- Developed and implemented the Vessel Main Engine Fuel Incentive Program
- Designed and implemented the Port's air quality monitoring program
- Assisted with development of the Ports' Clean Trucks Program
- Assisted with development of the port-wide emissions inventories
- Assisted with public outreach on port air quality programs, including program messaging, media interviews, participation in public events, and website development

SCS Engineers

5/04 – 3/05

Project Scientist

- Estimated and evaluated air emissions from on-road, off-road, marine and landfill sources
- Analyzed soil and water contamination at various sites and prepared environmental site assessment reports
- Prepared wastewater discharge reports
- Developed air permit compliance reports
- Researched regulatory agency records and developed site history reports
- Created maps using Geographic Information Systems (GIS)
- Supervised monitoring well installations

San Luis Obispo County Air Pollution Control District 11/99 – 5/04

Air Quality Specialist III

- Received two staff recognition awards for successes associated with rule development, including working with a community group to develop local solutions
- Reviewed new residential and commercial development projects under the California Environmental Quality Act (CEQA) to assess and mitigate air quality impacts
- Developed and managed multiple grant programs allocating over $1.2 million in funding
- Developed and implemented rules, including working with a community group to develop green waste management solutions
- Established the District's GIS program
- Worked with a multiple agency coalition to promote alternative transportation
- Assisted with development of long range air quality management goals and programs

- Assisted with development of a five year strategic plan to prioritize agency-wide workload on projects aimed at achieving the agency mission
- Assisted with development of public outreach goals and strategies, and created public communication tools such as brochures, flyers and websites

Research Triangle Institute, Water Quality Program 11/98 - 1/99

Environmental Contractor

- Reviewed Unified Watershed Assessment Reports for the EPA
- Indexed water bodies for the U.S. States using GIS to indicate waters regulated under the Clean Water Act
- Created layouts of indexed maps and submitted completed maps to state and regional EPA offices

University of North Carolina, Chapel Hill

1/97 - 5/99

Researcher

- Developed and designed a research project to assess potential ecological risk from metals contamination at a recreational firing range
- Created a map of the site and contamination distribution using GPS and GIS
- Analyzed soil chemistry and contamination
- Performed earthworm and lettuce seed bioassays
- Used data to determine bioavailability of metals in the soil and characterized the potential ecological exposures for the area

Diablo Canyon Power Plant

7/94 - 8/96

Environmental Contractor

- Wrote the 1994 Toxic Emission Inventory Plan and corresponding report for the facility
- Calculated air emissions of all toxic and criteria air pollutants released during 1993 and 1994 from the facility
- Collected Material Safety Data Sheets for all hazardous materials located on-site
- Developed and maintained a hazardous materials inventory database

EDUCATION

University of North Carolina, Chapel Hill
School of Public Health, Department of Environmental Science and Engineering
Master of Science in Environmental Science, May 1999

California Polytechnic State University, San Luis Obispo
School of Science and Mathematics, Department of Chemistry
Bachelor of Science in Chemistry, June 1994
Minor Degree in Psychology, December 1993

Certifications

40-Hour Hazardous Waste Worker (HAZWOPER), August 2004
Penn State World Campus Certificate in Geographic Information Systems, April 2005

RICHARD D. CAMERON, REA

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AREAS OF EXPERTISE

- Program & Project Management
- NEPA/CEQA
- Air and Water Quality
- Marine Biological Assessments
- Environmental and Land Use Planning
- Environmental Site Assessments - Phase I and II
- Preliminary Endangerment Assessments
- Regulatory Agency Coordination

REGISTRATION

Registered Environmental Assessor (REA) I, December 2003, REA No. 07882

PROFESSIONAL HISTORY

Port of Long Beach
Long Beach, CA
Manager of Env. Planning
2006 – Present

Essentia Management Services LLC
Long Beach, CA,
Project Professional
2002 – 2006

Port of Long Beach
Long Beach, CA
Environmental Specialist
1996 – 2002

EXPERIENCE OVERVIEW

I am currently the Director of Environmental Planning for the Port of Long Beach (Port) and have over 13 years experience in Environmental Planning and overall regulatory compliance – specialties including water quality, air quality, coastal land use planning, CEQA/NEPA, marine sediment characterization, and hazardous materials assessments. As the Director of Environmental Planning, I am responsible for the day-to-day management and implementation of the Port's environmental programs including the Port's Green Port Policy, the San Pedro Bay Clean Air Action Plan (CAAP), water quality programs, hazardous waste management compliance programs, and various CEQA/NEPA environmental documents in support of Port development projects. I currently supervisor seventeen environmental professionals and support staff that perform various administrative and project management duties in support of the Port's various environmental programs. Other duties include the coordination/collaboration with other Port Divisions and Executive Management in support of both Port development and operations.

Throughout my career I have managed various private and public agency environmental programs, including managing Port environmental staff, and environmental consultants who perform environmental analysis and assessment studies/projects. I have extensive experience preparing CEQA and NEPA environmental documents, management of various types of special studies in support of environmental impact analysis, the management of the Port's Master Storm Water program, the management of construction and operation air quality and health risk assessments, the management of hazardous materials abatement projects, the management of Phase I and II site investigations and remediation programs/projects, the acquisition of various state and federal regulatory permits in support of development and Port operations, management of water quality monitoring for both surface and groundwater projects, and the management of numerous sediment characterization studies in support of Port dredge and fill projects.

I have excellent experience working with local, state and federal regulatory agencies, including the U.S. Environmental Protection Agency (EPA), Los Angeles Regional Water Quality Control Board (RWQCB), California Coastal Commission, South Coast Air Quality Management District, California Air resources Board, U.S. Army Corps of Engineers, California Department of Toxic Substance Control, California Department of Fish and Game, and various state and federal resource agencies.

POLB Green Port Programs (Current) – I am Responsible for the day-to-day management of the Port of Long Beach's Green Port environmental programs including the air quality, water quality, soil and sediment quality, sustainability, wildlife management, and community involvement and overall environmental stewardship. The program has recently been awarded by the American Association of Port Authorities with the "Comprehensive Environmental Management" award. Current projects include: Pier A West Site Remediation; development of an environmental compliance guidelines and management database; preparation of various special studies of total maximum daily loads (TMDLs)/water quality standards; ballast water management; the Colorado Lagoon Wetlands Restoration project; and numerous hazardous materials site investigations and site remediation projects.

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EDUCATION

California State Polytechnic University, Pomona, CA. B.S. Urban and Regional Planning, 1996

El Camino Community College, Torrance, CA. A.S. Architecture, 1993

AFFILIATIONS

Association of Environmental Professionals (AEP)

American Planning Association (APA)

Harbor Association of Industry and Commerce (HAIC)

Commissioner, Redondo Beach Harbor Commission, Redondo Beach, CA, Chairperson from 2004-2005

San Pedro Bay Clean Air Action Plan (Current) – I am Responsible for the development and implementation of the clean air action plan (CAAP) which represents a comprehensive approach to tackling air pollution from mobile sources associated Port operations and other aspects of maritime goods movement. Current CAAP programs include the Heavy Duty Vehicle (HDV1) Truck Replacement program, the Technology Advancement Program (TAP), current Port emissions inventory, and the development of the San Pedro Bay Wide Standard.

CEQA/NEPA Environmental Documentation (Current) – I am responsible for the preparation of all environmental documents related to proposed projects proposed within the Port of Long Beach Harbor District. All environmental documents follow the Port's environmental documentation protocols. Current environmental documents include: the Middle Harbor Redevelopment EIS/EIR; the Pier S Terminal Development EIS/EIR; the Gerald Desmond Bridge Replacement EIR; the New POLB Administration EIR; the IR Site 7 Mitigated Negative Declaration; and the POLB Rail Enhancement EIR. Documents completed to date include: the POLB Command and Control Center Negative Declaration; the Marriott Hotel Project negative Declaration; the Metro AMECS Negative Declaration; and the Long Beach Generation Station Re-power Project Negative declaration.

POLB's Master Storm Water Program (POLB) - From 1997 to 2006, I served as the program manager for the POLB Master Storm Water program. I was responsible for developing and implementing the updated Storm Water Management Guidelines. The POLB's Master program serves as a guidance document to assist in the implementation of the State's General Industrial Storm Water permit and the City of Long Beach's Municipal Storm Water permit. As part of that program, I was responsible for implementing the POLB's non-point source water quality monitoring program and for the Quality Assurance/Quality Control (QA/QC) for all sampling data and annual reports prior to submission to the Regional Board.

POLA's CEQA/NEPA support services master contract (private). - From 2003 to 2006, I served as the Program Manager for the Port of Los Angeles CEQA/NEPA contract. I was responsible for all day-to-day technical and administrative coordination in support of all CEQA/NEPA document preparation and technical studies such as air, noise, biological, cultural, transportation aesthetics, and earth resources special studies. I managed the Crescent Warehouse Relocation Project EIR and assisted the Army Corps of Engineers with the TraPac and China Shipping Terminal Redevelopment projects EIS/EIRs.

San Diego Unified School District (Essentia) - From 2003 to 2004, I managed the preparation of a U.S. Environmental Protection Agency (EPA) Brownfield Grant Application on behalf of the San Diego Unified School District. The grant application was prepared to further fund a supplemental site investigation of a future elementary school site as part of the Proposition MM Bond Measure. I was responsible for the preparation of both the preliminary grant application and, subsequently, the final grant application.

County of San Diego (private) - During 2003, I was the field task manager for the County of San Diego Ramona Airport Phase II Site Investigation Project. The scope of work for the project included a geophysical survey for unexploded ordnance (UXO) at a former U.S. Department of Defense bombing range site adjacent to the Ramona Airport. I was responsible for all phase II field activities, health and safety, and coordinated the preparation of the final Phase II Site Investigation report.

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Dominguez Watershed Storm Water Land Use Characterization Study (POLB) - From 2000 to 2002, as part of the Dominguez Watershed Storm Water Land Use Characterization Study, I managed the sampling and analysis activities for the Port land uses portion of the study, and was responsible for the overall coordination and implementation of the study work plan. The project included various types of monitoring equipment such as flow meters, automatic samplers, and data logger/controllers. The study was used in support of the development of the Dominguez Channel Watershed Master Plan.

Former Long Beach Naval Complex Redevelopment (POLB) - From 1998 through 2002, I managed various aspects of the former Long Beach Naval Complex reuse and land transfer, pursuant to the Defense Base Realignment & Closure Act (BRAC) of 1990. I was responsible for various tasks associated with the investigations and development of remedial alternatives on both the upland portion of the Naval Complex and the submerged lands of the West Basin (Installation Restoration [IR] Site 7), including but not limited to, the characterization of marine sediments within the West Basin.

POLB Dredge and Fill Projects (POLB) - From 1998 to present, I has managed sediment characterization studies as part of the POLB dredge and fill projects. Many of these studies have included close coordination with both federal and state regulatory agencies and other interested parties with the development and implementation of sampling and analysis plans for the characterization of harbor sediments. Many of the studies that I managed have included physical, chemical, and various types of bioassay and bioaccumulation testing to evaluate the sediment suitability for both ocean disposal and upland beneficial reuse. Projects include: Southeast Basin Sediment Characterization Study, Port of Long Beach – Tier II Sampling and Analysis; Pier S Dike Realignment and Dredge Project, Port of Long Beach – Tier III Sampling and Analysis; Cerritos Channel Widening Project (Pier S Shoreline Characterization Study), Port of Long Beach – Tier III Sampling and Analysis; West Basin (Former Long Beach Naval Complex) Sediment Characterization Study, Port of Long Beach – Tier III Sampling and Analysis; Main Channel Deepening Project, Phase II, Port of Long Beach – Tier II Sampling and Analysis; and Maintenance Dredge Sediment Characterization Study – Various Berthing Areas, Port of Long Beach – Tier II Sampling and Analysis.