



MALCOLM G. MCLAREN, P.E.

CEO + FORENSIC DIVISION LEADER

Malcolm McLaren has more than four decades of design, engineering and inspection experience for structural, bridge/highway/rail, site/civil, geotechnical, marine, and forensics projects nationwide. He has participated as engineer or manager on more than 14,000 projects varying in scope and difficulty. Design specialties include design of mixed-use high rise building structures; land use development; waterfront structure inspection and rehabilitation, especially relative to marine borer activity; design of unique bridge and rail structures; waterborne transportation facility design; intermodal transportation planning; the design and use of composite materials; forensics investigations and litigation testimony; and the design of complex theatrical staging and mechanized effects. Representative projects include:

EXPERT WITNESS + INVESTIGATION EXPERIENCE

- **Investigation of the I-40 Bridge Collapse; Webbers Falls, OK;** for Magnolia Marine Transport Company
- **Terminal Ventures Bulkhead Failure; Jersey City, NJ;** for Liberty International Underwriters
- **Crane Collapse - Sparrows Points; Baltimore, MD;** for Skadden, Arps, Slate, Meagher, & Flom, LLP
- **Queen Isabella Causeway Collapse; Port Isabel to South Padre Island, TX;** for Royston, Rayzor, Vickery & Williams, LLP
- **Wedge vs. Cambridge Schools, Cambridge, New York;** for the Law Office of Wilson Elser Moskowitz Edelman & Dicker LLP
- **State of New Jersey Dept. of Transportation/ State Attorney General's office vs. Pierson-South State,** a Joint Venture
- **Cherry Creek Construction vs. George & Lynch, Inc. and Delaware Dept. of Transportation;** for The Witt Law Firm
- **North Texas Tollway Authority v. Half Associates; Frisco, TX;** for Fisk Alexander
- **Pier 34 Collapse: Philadelphia, PA;** for Hecker Brown Sherry & Johnson LLP

EDUCATION

M.S. Structural Engineering,
Rutgers University

B.S. Civil Engineering,
Cornell University

PROFESSIONAL ENGINEER

42 States and D.C.

CERTIFICATIONS

Association of Diving
Contractors International
(ADCI) Certified Diver
National Association of SCUBA
Diving Schools (NASDS)
Certified Diver
OSHA – 10 Hour Construction
Industry Outreach
Structural Engineering
Certification Board, 2005 –
Certification No. 1339-0705

ENGINEERING SPECIALTIES

Structures
Civil
Marine
Bridge/Highway/Rail
Geotechnical
Facade/Building Envelope
Entertainment
Construction

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- **Super Grid 1; Atlantic City, NJ;** for NJ Sports and Exposition Authority
- **Super Grid 2; Atlantic City, NJ;** for NJ Sports and Exposition Authority
- **Johnson vs. Cranesville Block; Rock Tavern, NY;** for Law Offices of Wilson Elser Moskowitz Edelman & Dicker, LLP
- **MacArthur Blvd. Interchange LADOT; Metairie, LA;** for Galloway Johnson Tompkins Burr and Smith
- **Schletter v. Schneider, NC, GA, TN;** for the Law Office of Fennemore Craig
- **Dune, Inc. vs. Hartz Mountain Industries, Harrison Riverside Ltd, and 700-760 First Street, LLC; Harrison, New Jersey;** for the Law Office of Horowitz Rubino & Patton
- **Port Liberte' II vs. PMK, Jersey City, New Jersey;** for the Law Office of Suarez & Suarez
- **Views at Hudson Pointe Condominium Association, Inc. vs. K. Hovnanian at Hudson Pointe, LLC, et al, North Bergen, New Jersey;** for the Law Office of Chiumento McNally
- **Fisher vs. Grigg & Davis, Rye, New York;** for the Law Office of Byrne & O'Neill, LLP
- **Prentice Women's Hospital vs. High Concrete. Chicago, Illinois;** for Law Offices of Barnes & Thornburg, LLP
- **Berth 7 Failure at the Port Freeport; Port Freeport, TX;** for Porter Hedges, LLP
- **66 Main Street Building Collapse; Yonkers, NY;** for Law Offices of Welby, Brady & Greenblatt, LLP
- **Forensic Investigation of Overpaint Failure;** for the Long Island Rail Road
- **State of Indiana vs. Ronald Tobias and Amerigas Propane, LP**
- **Hampton Inn at Woodbury Centre; Woodbury, NY;** for AARK Construction
- **Condition Inspection of U.S. Yankee Pier; USCG Center, Governors Island, NY;** for U.S. Navy
- **Investigation of the Beckett Street Terminal Collapse; Camden, NJ;** for Hecker Brown Sherry & Johnson LLP
- **Independence Harbor; Edgewater, NJ;** for Hartz Mountain Industries
- **C-Town Supermarket Truss Evaluation; Haverstraw, NY;** for Safeco Insurance Company
- **Mid-Hudson Civic Center Bleacher Inspection; Poughkeepsie, NY;** for Mid Hudson Civic Center
- **JNK Grand vs. Buro-Happold, 125 Grand Street; Manhattan, NY;** for L'Abbate, Balkan, Colavita & Contini, LLP
- **Burlington Group vs. Bender Enterprises, Consumer Graphics Facility; Hillsborough, NJ;** for Goldman & Kramer
- **Mercer Loft, LLC v. Buro Happold Consulting Engineers, P.C.**
- **Tidewater v. Hotis; Sound Beach, NY**
- **58 East 1st vs MRC II; New York, NY;** for Mound Cotton Wollan & Greengrass;

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PROFESSIONAL SOCIETIES AND AFFILIATIONS:

- Advisory Board – Cornell University School of Civil & Environmental Engineering
- Advisory Board – Rutgers University School of Civil & Environmental Engineering
- Advisory Board – Rockland County Salvation Army - retired
- Board of Directors, Ex Officio – Lower Hudson Valley Engineering Expo, Inc.
- American Society of Testing and Materials
- Task Group Committee 20.20.04 – Chairman – Plastics – Systems for Marine/Waterfront Applications. 20.20.01 - Manufactured Recycled Plastic Lumber & Shapes - Manufactured Recycled Plastic Lumber - Development of Material and Performance Specifications
- The Association for Bridge Construction and Design
- American Society of Civil Engineers
- National Society of Professional Engineers
- American Association of Port Authorities
- American Concrete Institute
- Precast/Prestressed Concrete Institute
- North Atlantic Port Authorities
- Association of Diving Contractors
- International Code Council
- Chi Epsilon - Civil Engineering Honorary Society
- The MOLES
- Who's Who Among Students in American Universities
- Who's Who in the East

AWARDS:

- Civil Engineering Entrepreneur of the Year presented by American Society of Civil Engineers. October 2020
- Best Practice Award presented by Commerce and Industry Association of New Jersey. September 2018
- Lifetime Achievement Award presented by the Hudson Valley Council, Boy Scouts of America. June 15, 2017
- Engineer in Education presented by the Rockland County Chapter of the NYSSPE, June 8, 2017
- Hero of the Harbor presented by the Waterfront Alliance, October 5, 2016
- Harbor Stewardship Award presented by Billion Oyster Project, May 19, 2016
- Outstanding Community Service Award presented by The Salvation Army Greater New York Division, May 14, 2015
- Engineer of the Year - 2014, presented by American Society of Civil Engineers, Lower Hudson Valley, New York Branch
- Entrepreneur of the Year presented by the Rockland Economic Development Corp, November 2012
- US Design Patent No. D 668, 309S; patent granted October, 2, 2012.
- Contribution to Education Award, presented by the NYSSPE, June, 2012.
- 2011 49th Annual R&D 100 Award Winner; “All Thermoplastic Composite, I-Beam Design, High Capacity Bridge System (Mechanical Systems);” Rutgers University, Dept of Materials Science and Engineering, Axion International, McLaren Engineering Group, Dept of Defense Corrosion Prevention and Control Program, Army Facilities Installation Technical Transition Group; Orlando, Florida, October, 2011.
- Excellence in Structural Engineering Award for Special Structures, Sentosa Dancing Cranes, Nighttime Spectacular Singapore, presented by Structural Engineers Association, June, 2011.
- Construction Person of the Year, presented by NYSSPE PE's in Construction. June, 2010.

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- Outstanding Achievement for Design of the Tree of Prosperity at Wynn Casino in Macau, China, presented by TEA. March, 2009.
- Outstanding Achievement for Design of Infrastructure and Stage Machinery for KÁ by Cirque du Soleil, presented by TEA. March, 2008.
- Distinguished Citizen Award, presented by the Hudson Valley Council, Boy Scouts of America. November, 2007
- Rockland County September 11th Memorial at Haverstraw Bay, presented by Rockland County Office of the County Executive. May, 2003.
- 21st Annual Art Commission Design Award 2002. Presented by Mayor Bloomberg, City of New York. July, 2003.
- Rockland County Engineer of the Year 2002-2003, Rockland County Chapter – N.Y.S. Society of Professional Engineers. February, 2003.
- Citation for Outstanding Citizen and Esteem for both the Community and State of New York. Presented by New York State Assemblyman Alexander J. Gromack. February, 2003.
- Senate Certification of Recognition of 25 Years of Service Dedicated to the Engineering Community, presented by Senator Thomas P. Morahan. May, 2002.
- Outstanding Service and Active Participation Work on the Ceramics Committee D20, presented by American Standards Testing Materials. November, 1999.
- Excellence on the Waterfront for Yonkers Recreation Pier, Waterfront Center Annual Award. October, 1997.
- Merit Award for Easton Avenue Student Housing, presented by NJ Chapter of the American Concrete Institute and NJ Concrete/Aggregate Association. May, 1994.
- Excellence in Long Island Architecture for Roslyn Highlands, E&H Co. ARCHI Design Award sponsored by the Long Island Chapter of Architects. May, 1986.

Lectures/Publications:

- McLaren, Malcolm G., “Landings for Resilience, Safety, Affordability and Passenger Comfort,” Lecturer. Ferry Safety and Technology Conference, Pier A Harbor House, New York, June 2016.
- McLaren, Malcolm G., “Superstorm Sandy’s Impact on the NY Waterfront and How Its Effects Are Changing Coastal Design,” Lecturer. Structural Engineering Institute of ASCE, Mohawk Hudson Chapter, Albany, NY, October, 2013. Reprinted to Albany E-Week sponsored by NSPE and ASCE, February 2014, the Society of American Military Engineers, Albany Post, New York Capital District, May 2014.
- McLaren, Malcolm G., Green, James V., “Underwater Bridge Inspections.” Lecturer, ACEC-Illinois IDOT Bridge Seminar, Springfield, IL, September 2012.
- McLaren, Malcolm G., “Underwater Bridge and Structural Inspections,” Lecturer, NYSSPE Rockland County Chapter meeting, April 2010.
- McLaren, Malcolm G., Melewski, Peter M., Brizzell, John, Cooper, Mike, Thurnherr, David, Green, James, "Walking the Line," *Civil Engineering*, December 2009.
- McLaren, Malcolm G., Mahoney, W. Richard, Platt, V. Douglas, “The Colonie Center Mall: An Aging Shopping Center Gets a Second Lease on Life,” *STRUCTURE Magazine*, November 2008.
- McLaren, Malcolm G., “Entertainment of Engineering Show Effects and Stages,” Lecturer, Lower Hudson Valley Engineering Expo, March 2008.
- McLaren, Malcolm G., “Entertainment of Engineering Show Effects and Stages,” Lecturer, ASCE Mid-Hudson Valley, January 2008.

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- McLaren, Malcolm G., Melewski, Peter M., Green, Jim V., and Thurnherr, David, "Walkway Over the Hudson (Historic Bridge to Northeast Recreational Destination);" Published in Innovations in Bridge Engineering Technology: Selected Papers, 3rd NYC Bridge Conf., 27-28 August 2007, New York, USA 1st Edition
- McLaren, Malcolm G., Melewski, Peter M., and Thurnherr, David, "Walkway Over the Hudson (Historic Bridge to Northeast Recreational Destination);" Presented at International Bridge Conference, Pittsburgh, PA, June 2007.
- McLaren, Malcolm G., "Entertainment of Engineering Show Effects and Stages," Lecturer, Lehigh University, October 2007.
- McLaren, Malcolm G., "Entertainment of Engineering Show Effects and Stages," Lecturer, Rensselaer Polytechnic Institute, April 2007.
- McLaren, Malcolm G., "Borer Solution is in Recycled Plastics," *Engineering News-Record*, July 2006.
- McLaren, Malcolm G., "Managing the Creative Process Through Effective Communication," Keynote Speaker, Society for Technical Communication (STC), Rochester Chapter, April 2005.
- McLaren, Malcolm G., "Underwater Engineering Inspections," Lecturer, Structural Engineering Association of New York (SEAoNY), October 2004.
- Lecture "21st Century Engineered Structures – Materials Will Lead the Way," presented to Ceramic Association of New Jersey, Rutgers School of Engineering. April, 2003.
- McLaren, M.G., Pensiero, J.P., Assis, G.F., Melewski, P. M., Krishnaswamy, P., and Lashway, K.F., "Introducing the First Recycled Plastic Bridge In the World," Presented at 2001 IBTTA Maintenance Committee Fall Conference, New Orleans, LA, October 2001.
- McLaren, Malcolm G., "Civil Engineering - It's More Than Roads and Bridges," Lecturer: Cornell University Student Chapter of the ASCE, Annual View of the Lake Dinner, April 2001.
- McLaren, Malcolm G., Lampo, Richard G., and Nosker, Thomas J., "Demonstration Installations of Recycled-Plastic Lumber for Bridges, Marine Pilings, and Railroad Ties," June 2000.
- McLaren, Malcolm G., and Pensiero, John P., "Simplified Design of Recycled Plastic as a Structural Material," *Plastics in Building Construction*, April 2000.
- McLaren, Malcolm G., "Recycled Plastic Lumber and Shapes-Design and Specifications," 1994.
- McLaren, Malcolm G., "Underwater Inspections and Repairs," 1992.
- McLaren, Malcolm G., and O'Connor, Daniel W., "Polymeric Bonding of Ceramic Tiles on Flexible Framing Systems," October, 1994.