

Richard B. Strong

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EDUCATION:

- Harvard University**
Cambridge, Mass.
1989-1990
- Masters of Design Studies**
Courses in Real Estate Finance and Development; Urban Development Studio, (Graduate School of Design); Urban Politics and Land Use Policy, (Kennedy School of Government); Urban Economics, (Ph.D. Level, Harvard University, Professor Kain); Entrepreneurial Management, Managing in the Regulated Environment, Entrepreneurship, Creativity and Organization, (Harvard Business School). Special studies and award winning paper in the economic value of urban open space and the politics of private/public development ventures.
- McGill University**
Montreal, Quebec
1974-1976
- Masters of Urban Planning**
Masters Thesis: A "White Paper" discussing the development of a set of urban design guidelines and land-use by-laws to regulate sudden new growth surrounding proposed rapid transit stations in a historical district in Montreal downtown. Courses in Land Use and Zoning Law, Quantitative Techniques, Planning Theory, Urban Economics, Transportation, Housing, Urban Social Geography, and Statistics.
- North Dakota State University**
Fargo, North Dakota
1968-1973
- Bachelor of Architecture**
Course in Art, Music, Design, Structures, Environmental System, Building Programming, Planning, Business Law, Sociology, German, Economics, Management, Psychology, Graphic Design, and Computers.
- Konvict Stift Melk Gymnasium**
Melk, Austria
1967-1968
- Student Exchange Program after College Preparatory School**
Special Studies in Art, Architecture, Languages, History, Chemistry, Physics, Biology and Psychology.
Travels throughout France, Italy, Switzerland, Germany, Austria, and Czechoslovakia.
- PROFESSIONAL WORKING EXPERIENCE:**
- University of MN College of Design**
Mpls, MN
Sept 2008 - Present
- Senior Research Fellow at the Center for Sustainable Building Research,**
Responsible for the Minnesota Sustainable Building 2030 required by all building project built using State of Minnesota bond money - over 10 projects in the first years. SB 2030 is a state funded initiative to determine the most cost effective manner to reduce energy use and carbon in buildings to zero by 2030. Involved institutional green projects at Concordia College and U of M Crookston. Developed district sustainable infrastructure metrics for St. Paul Ford Redevelopment Site and for UMore Park. Developed Saint Paul Sustainable Building Policy
- University of MN College of Design**
Mpls, MN
Sept 2006 - 2007
- Research Fellow at the Center for Sustainable Building Research,**
Responsible for the Minnesota Sustainable Building Guidelines required by all building project built using State of Minnesota bond money - Over 60 projects in the first two years. Involved in development of Climate Neutral buildings, carbon calculators, and the greening of the University and the College of Design. Project Manager for Sustainable

Buildings 2030, a state funded initiative to determine the most cost effective manner to reduce energy use and carbon in buildings to zero by 2030

- Carleton College**
Northfield, Minnesota
Oct 2000 – Jul 2006
- Director, Facilities Management and Planning**
Responsible for all aspects of the physical plant involving campus planning, design and construction, and facilities operations and maintenance. This includes the development and construction of capital facilities and the associated physical environment on the campus to promote the aesthetic quality of campus grounds, buildings, and overall environment.
- Carleton College**
Northfield, Minnesota
Jan 2000-Oct 2000
- Project Manager/Owner's Representative**
Managed initiation, planning, design, and construction of capital building, remodeling and renewal projects. Guided and coordinated interaction among consultants, contractors, and various College constituencies through completion and occupancy. Participated in selecting contractors and represented the College on-site through construction.
- Hennepin County**
Minneapolis, MN
1991-1999
- Project Manager, Architect**
Project Manager for a variety of projects for the Hennepin County Sheriff's, District Court and County Library, both capital and operating projects, including Public Safety Facility, and Crime Lab Facility. Project Manager for a \$12 million expansion of the Juvenile Detention Center, which will double the program area and bed capacity. Responsible for the County's first free-standing and one of the country's largest Household Hazardous Waste Facility. Involved in Planning, Design and Construction of Capital Improvement Projects. Involved in the project management and construction administration of a 32 million 800-Megahertz Radio System. Developed capital projects and participated in the Capital Improvement Program. Participated in the development of computerized financial accounting software system for Project Managers. Initiated and developed a National Association of Counties (NAACO) 1999 Achievement Award winning Green Building Sustainable Rating System and Design Guide for the county's building process. This system will evaluate to what degree the county's buildings are built in an environmental sensitive manner.
- BRW, Inc.**
Minneapolis, MN
1990-1991
- Principal Planner**
Project Planning on light rail transit alignment studies for five corridors in the Twin Cities. Responsible for developing transit station design guidelines and specifications for submittal to design build firms.
- Richard Strong, Assoc. Owner of an Architectural, Urban Design, and Planning Firm**
Minneapolis, MN
1981-1989
- Owner of 14 person design firm. Responsible for contracts, payroll, personnel, marketing, developing project schedules, review of project drawings and specifications, interface with clients, city agencies, and contract administration.
Principal in Charge of Projects including: Sheep Milking and Dairy Facilities for the University of Minnesota, research Greenhouse Facility for Saint Cloud State University, Renovation of 15 Historical structures throughout Minnesota and North Dakota, 100,000 square foot Bus Rebuilding Facility and the City Planning Consultant for a Suburban Community.
- Hodne/Stageberg**
Partners
Minneapolis, MN
1979-1981
- Urban Designer, Project Architect, Project Planner**
Project Architect and Designer of Projects including: Campus Planning of the University of Iowa, Comprehensive and City Planning Consultant for three Suburban Communities and a 300 unit Condominium Project in Downtown Minneapolis.

- Team 70 Architects**
Minneapolis, MN
1976-1979
Urban Designer, Project Architect
Projects included privately funded inner city neighborhood planning studies to examine the physical, social, and economic conditions, and to recommend neighborhood based programs to address their local problems, interior and exterior design of retail stores and space planning for the corporate offices.
- Geston/Hanson Architects**
1974
Project Architect
Projects included: Classroom Renovation and Meats Laboratory for North Dakota 1973-University, High School Classroom and Gymnasium Addition for Milton, North Dakota
- TEACHING AND RESEARCH EXPERIENCE:**
- Boston Architectural College**
Spring 2013 - Present
Capstone Instructor in the Sustainable Design Capstone-Masters Design Studies in Sustainable Design
Fall and Spring Instructor for Masters of Sustainable Design Capstone Projects
- School of Business Drake University**
Fall 2010 - Present
Adjunct Lecturer in the Graduate School of Management and Business
Community and Economic Development, Sustainability – The Next Competitive Edge, and State and Local Government Administration
- School of Business Hamline University**
Spring 2010 – Present
Adjunct Professor, Public Administration and Leadership
Taught a course in Sustainability Value and the Public and Private Sectors
Certification in Sustainability: Infusion into the Workplace
- College of Design University of MN**
Fall 2007 - Present
Adjunct Assistant Professor in the Masters of Sustainable Architecture
Taught Masters courses in Sustainable Materials in spring of 2007 - 2009 and again in 2015 an course in Sustainable Site and Water during the fall of the 2007 - 2015 school year, Sustainable Communities in spring of 2012-14
- The Art Institute International MN**
Summer 2006
Adjunct Lecturer in Environmental Science
Taught a required general educational topics course in Environmental Science
- Carleton College**
2004-2006
Adjunct Lecturer in the Environmental and Technology Studies Program
Co-taught with a biology professor “Design and Construction of an Eco-House.”
The course is taught once a year for a series of 3 years. The course includes the incorporation of the basic design principals to design of a 12-15 person student eco-house. Each class includes an investigative lab to discover and construct the most environmental sustainable building component to be incorporated into the eco-house.
- Harvard University**
Graduate School of Design
1989-1990
Teaching Assistant, Fall/Spring Semester
Real Estate Finance and Development
Assisted in writing Case Studies for classroom negotiation exercise and conducted special student help sessions.
- University of Minnesota**
School of Architecture
1980-1987
Studio Lecturer
Fall and winter quarters, Fourth Year Urban Design Studio 1986-1987
Fall quarter, Second Year Design Studio 1985
Winter and spring quarter, Fourth Year Urban Design Studio 1980-1981

- McGill University**
School of Urban
Planning
1973-1974
- Urban Design Researcher/Urban Designer**
Research Assistant to the Director of the School of Urban Planning
Conducted library research of Urban Design topics. Graphically simulated the hypothetical buildings in Montreal's and Westmount's Quebec downtown when parcels are developed to the maximum FAR allowed by the existing zoning ordinance.
- North Dakota State University**
School of Architecture
1973
- Student Lecturer**
Archetypes in Architecture.
Conducted a lecture illustrating techniques of information gathering from building users groups employing architectural clues in the environment for an architectural programming class.
- Journal of Sustainability Management**
2014
- NATIONAL AWARDS, LECTURES AND PUBLICATIONS:**
“Grass” by any Other Name—Xeriscaping and Sustainability Case study about the water issues in Las Vegas one of the driest part of the US and the approach the Southern Nevada Water Authority is taking to ensure that Las Vegas and the surrounding area have water sustainability.
- Collaborations**
Carleton College
2006
- Co-authored with a biology professor and fellow team teacher a chapter in book about collaborations in the field of teaching. The chapter's name is **“Being environmental conscience and feeling comfy”** it is about our team teaching approach to incorporate biology and architecture into a 15 person student house on campus.
- NACO Award 1999**
1999 MNGreat Award
- “Hennepin County Sustainable Design Guide and Rating System”**
A comprehensive design guide for the sustainable development of the facilities starting with the site selection, programming, design, construction, facility management and next use of the facility. The system gives concrete strategies for the integration of seven environmental protocols into the design process.
- Post Office Square**
Honorable Mention
Best Planning Paper
June 1990
- An academic paper evaluating the economic value of a park created by a group of businessmen and building owners in Boston's financial district. A “Case Study” was written from the paper for use in an economic class at Harvard's Kennedy School of Government and the Graduate School of Design
- Guest Lecturer**
School of Architecture
North Dakota State University
February 1989
- “Urban Open Space as an Economic Entity” or “Form Follows Fiduciary Responsibility”**
The lecture described the historical development of urban open space in relationship to real estate development and explored the economic relationship between open space and built form.
- Architectural Minnesota**
Nov./Dec. 1989
- “Buildings But No Design”**
An article describing the topographic development of downtown Minneapolis over a thirty-year time frame. The purpose of the article was to inform architects, developers, planners, and politicians of the potential damage to the pedestrian urban environment as the result of the recent trend in design of large-scale inwardly oriented developments.
- Urban Design Magazine**
National Urban Design Awards
1976
- “Whittier Urban Design Framework”**
Minneapolis, Minnesota, Project Urban Designer.
A National Award winning neighborhood planning and urban design study addressing the physical, social, and economic problems of the residents of an inner city neighborhood. The study was sponsored by a private Minneapolis department store corporation – Dayton Hudson Foundation.

REGISTRATION:

Registered Architect State of Minnesota since 1979
 Certified Planner American Institute of Certified Planners (Past Member)

ORGANIZATIONS:

1988-1990 American Institute of Architects
 1990 Urban Land Institute
 1988-1990 Minnesota Society of Architects
 1979-1982 American Institute of Certified Planners
 1979-1982 American Planning Association
 2000-Present Society of College and University Planners

VOLUNTEER WORK:

1988 Governor's Design Team
 1987 Grader of the NCARB Registration Test – Building Design
 1987-1988 Advisor in the Intern Development Program NCARB
 1988 Guest Lecture for the Intern Development Program NCARB
 1972-2002 United States Army Reserve Program, LTC, Corps of Engineers, Retired
 2005-06 Northfield Arts Guild, Board of Directors
 2011- Present Board of Advisors, Metropolitan Design Center, College of Design, University of MN
 2011 – Present Supervisor, Hennepin Soil and Water Conservation District, Hennepin County

ENVIRONMENTAL DESIGN EXPERIENCE

1997-1999 Initiator and coordinator of the “Minnesota Sustainable Building Guidelines”
 Received a \$50,000 grant to establish one of the country’s first county-wide sustainable/green building guidelines – adopted by the State of Minnesota (2004)

2000-Present Co-Chair of Carleton College’s Environmental Advisor Communities – advises the college in all environmental aspects from green design, composting, green energy, etc.

2001 Presenter at Midwest Green Campus Workshop – Green Design
 2002 Presenter at Minnesota Office of Environmental Assistance – Development of Wind
 2003 Participated in a Strawbale Construction Workshop
 2003 Wrote a “Case Study for a physics class about finding the best location for a wind turbine around Carleton College

2002-2004 Initiator and coordinator of the first college industrial scale wind turbine at Carleton College’s - 1.65 MW wind turbine.

2003-2006 Adjunct Lecturer at Carleton College for “Design and Construction of an Eco-house”
 2004 Initiator and coordinator of Carleton College’s Strawbale Warehouse
 2004 Presenter at University of Minnesota – Morris Historical Campus Conference, presented on greening of the campus on historical campuses
 2004 Participated in a Cordwood and Rammed Earth Workshop
 2006 Presenter at a conference of College CFOs about the advantages of wind power on college campuses

2006-Present Adjunct Assistant Professor in the College of Design, School of Architecture, Masters of Sustainability, University of Minnesota

2009- Present Committee Member of the Academic Advisory Board, UMore Park, University of MN
 2010 – Present Adjunct Lecturer in the Graduate School of Business, Hamline University
 2010 – Present Adjunct Lecturer in the Graduate School of Business, Drake University
 2010 Winner of the Saint Paul Environmental Award for St Paul Green Building Policy

