

MANAGEMENT CONSULTANT

CenterLine Associates Yardley, PA

Management consulting firm specializing in helping owner's organizations improve their project delivery performance. CenterLine specializes in facilitating team building and dispute resolution partnering sessions. Construction consulting services range from capital program delivery best practice development programs to on site project management.

LA Fitness Sports Clubs - Construction Program Management – Philadelphia, PA

Provided project management services for the design and construction of 17 sports clubs. Conducted site and existing building due diligence inspections and determined regulatory, permit and utility connection requirements. Streamlined the eight-week construction document process for the 40,000 SF clubs to improve constructability and coordination of complete bid packages. Procured long-term sound / AV, security, telephone and mechanical systems maintenance agreements for ongoing service to Philadelphia region clubs. Co-developed standards for new LA Fitness Sports Club Prototype based on lessons learned to be applied to future projects.

Princeton Public Library – Owner's Representative, Construction Manager- Princeton, NJ

Assisted Library Leadership deliver 60,000 SF facility within their 16.8 million dollar budget. Facilitated construction document reviews including reconciliation of architect and CM cost estimates and the development of value-engineering options to be included as bid alternates to ensure budget compliance. Assisted in procurement and coordination of owner supplied furniture, fixtures and equipment (FFE) and specialty consultants. Served as Owner's Representative and on site Construction Manager during the construction phase.

Stanford University in Washington - Infrastructure Modernization Program - Washington, DC

Provided project management services for design and construction of mechanical/electrical upgrades to 23,000 SF dormitory facility. Procured engineering and construction services to conduct an existing condition survey, design, permit and install mechanical, electrical and plumbing upgrades. Planned logistics for the construction completed during the summer of 2004. Conducted weekly on site progress meetings to ensure completion before students returned for the fall classes.

Stanford University - Facility Design and Construction Standards - Palo Alto, California

Formed cross-discipline team to reorganize, update and streamline utilization of web based University Design and Construction Standards. Prioritized development of additional standards based on needs of the primary stakeholders. Developed training presentation for the University staff, architects, consultants and contractors.

Stanford University - Escondido Village Graduate Housing Project - Palo Alto, California

Team building and project management support including development of communications protocol, responsibility matrix, delivery schedule by phase, drawing review process, and schedule/site logistics management. Co-developed optimum project delivery plan to mitigate risks related to site conditions, permitting and existing utilities coordination.

John Hopkins University - Project Delivery Best Practice Study –Baltimore, MD

Conducted study to analyze existing project management practices in six separate facilities divisions and documented the best current practices, unique divisional needs vs. common streamlining opportunities to achieve a more consistent University wide project delivery process. Focus areas included the early application of cost controls, use of common contracting methods, standard closeout procedures and consistent reporting. Reviewed each division's current standards and forms, combine best examples into common University-wide procedures manual utilizing web access.

University of Pennsylvania - Procurement Best Practice Study, Philadelphia, PA

Assisted the University of Pennsylvania and Trammel Crow Higher Education Services Alliance to streamline their capital project procurement procedures. Conducted interviews of key participants to document existing process and identified areas to reduce invoice processing from 120 days average to less than 30 days. Facilitated presentation / training sessions to educate all parties on the new streamline procedures, optimum roles, timely information exchange and incentives to motivate contractors.

Office of the Architect of the Capitol - Best Practice Development Program – Washington, DC

Interviewed congressional stakeholders, reviewed existing standards, guides, procedures and reporting mechanisms. Formed cross-discipline teams to streamline project delivery processes based on client priorities and feedback. Developed a phased improvement implementation plan utilizing a collaborative on the job training approach focused on improving the Project Manager's productivity and efficiency. Facilitated quarterly reviews of congressional funding cycle and project delivery status to align internal and external resources with dynamic priorities. Utilized pilot projects to test and refine optimum procedures to minimize impact to busy workloads.

\$500 m United States Capitol infrastructure Modernization Master Plan – Washington, DC

Facilitated development of management plan to coordinate the delivery of Capitol Infrastructure Modernization Master Plan, Sprinkler System design and House Chamber security upgrades with ongoing life safety and Capitol Visitor's Center projects. Implemented streamlined input, review and communications protocol to keep the U.S. Capitol Police, House and Senate Sergeant of Arms, Media, Curator and other stakeholders fully informed of key issues to expedite decisions. Assisted in the development of senior leadership presentation materials. Documented suggested adjustments to AOC best practice policy and procedures based on lessons learned.

\$370 m Capitol Visitor's Center – Washington, DC

Conducted team building partnering sessions to refine AOC, CM, & GC interface, roles and design/construction administration procedures. Facilitated CM orientation and development of master project management plan. Co-developed budget, estimate and construction schedule work break down structures to facilitate roll up reporting to congressional leadership. Conducted design reviews to expedite key decisions and meet target bid dates. Facilitated development of commissioning program roles and procedures to ensure timely completion/start-up of the complex facility. Documented suggested adjustments to AOC best practice policy and procedures.

\$120 m Modernization of the U.S. Supreme Court Building – Washington, DC

Facilitated strategic planning session with senior management to optimize organization, project delivery plan and performance metrics. Conducted team-building sessions to prioritize key activities and decision dates required to support project delivery milestones. Facilitated multi-disciplinary design reviews and estimate/budget reconciliation sessions utilizing value-engineering methodology. Facilitated orientation and development of project management plan with the Construction Manager. Co-developed construction sequence and site logistics options to incorporate strict security and operations requirements. Documented suggested adjustments to best practice policy and procedures recommended by process improvement teams.

The Hillier Group - Project Management Manual and Training Program - Princeton, NJ

Facilitated an internal best practice development program resulting in the reorganization of a standard Project Management Manual to improve firm's productivity and project delivery performance. Conducted a survey of clients, consultants, and builder's to gain feedback on the firm's perceived strengths and areas to improve. Facilitated cross-functional team development of streamlined process, tools and Project Manual re-write. Conducted internal training program to ensure good application of project management process throughout the organization. Refined on-line manual to support the new streamlined process.

The Hillier Group - Preservation Project Delivery Best Practice Study – Philadelphia, PA

Conducted senior management retreat to refine the organization, roles, and unique preservation aspects of the Hillier Preservation Practice project delivery process. Drafted a preservation specific version of the Project Delivery Banner as a presentation, planning, and training tool. Refined the unique steps to the Hillier Preservation pre-design services approach.

American Combustion Industry - Project Delivery Best Practice Study- Washington, DC

Interviewed a cross-section of the organization and developed self-assessment rating matrix to prioritize project delivery improvements. Conducted a tour of the GSA co-generation project to review existing processes, reporting mechanism, and standards. Developed draft procedures manual based on streamlined flowcharts and a combining the best of existing procedures and standards.

CONSTRUCTION CONSULTANT

The Rise Group – Philadelphia, PA

Provided strategic planning, marketing, staff recruiting and construction consulting services delivery for start up Chicago based Project Management firm. Founding Partner and Senior Vice President in charge of Northeast Region.

Amtrak National Railroad Passenger Corporation, Philadelphia, PA

Assisted AMTRAK Engineering Department to build and maintain the passenger railroad infrastructure to support new High-Speed Train scheduled to start service in 2000. Co-developed best practice procedures and standards to improve project delivery among interdepartmental teams. Facilitated business process re-engineering to streamline critical project delivery functions and procedures; training program development for employees, MIS system development and implementation to better utilize existing database; facilitated the collaborative delivery of the North East Corridor station upgrade program; and coordinated pilot project work to test and refine new procedures.

Edison National K-12 School Program, New York, NY

Assisted the Edison development team in strategic planning and initial building assessments for input into their Performa Budget formulation. Once contracts were in place with the individual school districts, a master schedule and budget were prepared to ensure timely openings of multiple sites each September. Special care was taken in coordinating data, CVTV and voice networking systems required at each of the schools. Established regional delivery approach for 1998 school projects in Michigan, Colorado, California, New Jersey, and Washington, DC. and other schools across the country in the planning stages. Total number of schools operated by Edison was planned to be over 150 in five years.

Stanford University Collaborative Capital Program Delivery, Palo Alto, CA

Facilitated teambuilding sessions between Stanford University departments and service providers to implement new performance based collaborative delivery approach. Applied new procedures and MIS forecast/tracking tools to 500-bed graduate school residential project completed in fall of 2000.

PROGRAM MANAGER

Bovis Management Systems, Inc. New York, NY

Founder and Senior Vice President of hybrid organization formed to deliver strategic program management service to national clients utilizing the top talent from the three newly combined Bovis companies; Lehrer McGovern, Schal & McDivitt and Street. (Now Bovis Lend Lease)

Stanford Science and Engineering Quadrangle Program Management- Stanford, California

Pei Cobb Freed designed \$120 million Engineering Complex and Plaza. Program Management of 13 projects, 4-year Infill/renovation of existing research campus. As an extension of Stanford Facility Project Management department, implemented new business practices including innovative design and procurement strategy, and "5-D" CADD based project forecast and status reporting system.

Bell South Facilities 2000 - Facility Capital Building Program – Birmingham, AL

Re-engineering, program management information system design, implementation, and training, In-sourcing approach, cross-trained internal resources to function more efficiently with fewer personnel.

NYNEX Design/Build Capital Program Management – New York, NY

Implemented design and construction outsourcing of \$250 million/per year, 7 state capital program utilizing electronic communications, project cost, and schedule tracking system between three regional offices.

The Edison Project National Capital Program - New York, New York

Edison Project Master Plan for Whittle Schools Limited Partnership, an education initiative to deliver 800 new K-12 campuses across the nation by the year 2005.

Yale Capital Program Best Practice Development Program– New Haven, CT

Facilitated renewal of the Facility Design and Construction Department project delivery process. Audited key projects and recommended improvement plan, including re-engineering of business practices, standards, contracts, and information systems development. Implemented on-the-job training program to test and refine new procedures.

**CONSTRUCTION
MANAGER**

Lehrer McGovern Bovis, Inc. Princeton, NJ

Project executive, developed program management organization, internal estimating, scheduling, and value engineering technical services department, resulting in on time, in budget delivery of over 95% of projects based on Team Value Management approach utilizing partnering techniques.

University Projects:

Rutgers University: Led a program management team extension of Rutgers staff during a \$750 million expansion program throughout six campuses while streamlining procedures, information systems, campus standards, and contracts. Recruited estimating, scheduling and value engineering technical services group resulting in on time, in budget delivery of over 50 projects. Major projects include the following:

Agricultural Biotechnology Building	1992	\$29 M
Alexander Library	1992	\$12 M
Art Library Addition	1991	\$4 M
Busch Student Center	1991	\$5 M
Busch Co-Generation Facility	1995	\$20 M
Camden Business and Science Building	1989	\$6 M
Camden Library	1991	\$6 M
Camden Student Center	1991	\$4 M
Camden Student Dining Facility	1989	\$2 M
College Avenue Student Center	1991	\$2 M
Cook Campus Animal Care Facility	1990	\$3 M
Douglas Student Center	1992	\$2 M
Graduate School of Management	1990	\$6 M
Janice H. Levin Building	1989	\$7 M
Marine & Coastal Science Building	1992	\$12 M
Nelson Hall, Phases I thru IV	1993	\$15 M
Neuroscience Building	1993	\$12 M
Newark Law School	1998	\$49 M
Newark Gymnasium	1993	\$4 M
Paul Robeson Campus Center	1990	\$4 M
Physics and Astronomy Building	1990	\$12 M
Solid State Device Building	1990	\$2 M
Sonny Werblin Recreation Center	1991	\$16 M
Stadium and Athletic Complex	1995	\$23 M
Winants Hall Renovation	1990	\$7 M
Vietnam Veterans Memorial	1992	\$.5 M

Penn State Research Park, College Township, PA. 358,000 square foot project including 4 buildings; conference center, 150-room hotel, Research Campus, R&D laboratory and technology center, and infrastructure for multi-phased expansion \$43M

William Paterson College, Wayne, NJ. \$12 million Dormitory and Communications Center:

New Dormitory/Hobart Hall Addition	\$12 M
Academic/Computer Center	\$ 8 M
Library Addition/Renovation	\$ 8 M

Haverford College, Haverford, PA.

Sharpless Hall Laboratory expansion. \$3.5M

Rowan College, Glassboro, NJ.

75,000 square foot Student Recreation Center,	\$ 9 M
120,000 square foot Library	\$14 M
8,000 square foot Communications building.	\$1.3M

Chris Leyenberger - Work History

University of Kentucky: Central and Life Sciences Library	1997	\$58M
University of Virginia: Darden Graduate School of BA	1995	\$25M
Swarthmore College: Deferred Maintenance Program	1992	\$10M
Trotter Hall Renovation Academic Facility	1997	\$15M
New Jersey Institute of Technology Parking Garage	1993	\$12M
Institute for Advance Study: Mathematics Building/Lecture Hall	1996	\$5M
Lafayette College: Olin Laboratory, Recreation Facility	1998	\$15M
Technical Projects: Merck & Co., Inc.		
Biological Quality Control Lab	1995	\$25M
Pharmaceutical Research and Development Lab	1995	\$55M
Biological Support Lab	1994	\$45M
American Cyanamid Company Research and Development Facility New Drug Safety Facility	1989	\$24M
Sandoz Pharmaceuticals Research and Development Facility	1991	\$45M
New Drug Safety Facility	1991	\$45M
Recruit, U.S.A. Data Center	1990	\$34M
Princeton Medical Center:B-Wing Expansion	1995	\$30M
Camden County Health Services Center	1995	\$35M
Pennsylvania Power & Light Co. Systems Facilities Center	1994	\$33M
K-12 Schools Township of Bedminster: New Elementary School	1992	\$11M
High Point High School	1991	\$9M
Pequannock Township: School Dist. Facilities Improvement Plan	1991	\$9M
Lawrenceville School: Campus Expansion	1989	\$18M
Miscellaneous Projects New Jersey State Aquarium	1992	\$52M
New Jersey State House	1991	\$64M
Continental Airlines Flight Kitchen Newark Int'l Airport	1990	\$20M
Menlo Park Mall: Edison, New Jersey	1991	\$86M
Township of West Orange: Police Facility	1993	\$5M

OWNER'S

REPRESENTATIVE Trammell Crow Design & Construction Company Dallas, TX

Vice President, Design and Project Coordinator. Managed in-house design staff and consultants insuring design quality and timely delivery of all projects. Developed two and ten-story Garden Hotel Prototypes utilizing 100% CADD generated drawings. Developed electronic facility and space management program for Dallas Trammell Crow properties.

Major Projects:

Informart: Dallas, Texas. \$1.6 million sq.ft. Computer mart. Project Coordinator, responsible for \$115 million budget and project management of fast-track, 16 month design and construction schedule.	\$115 M
Informart Tenant Finish Out: Dallas, Texas. Developed Leasing guide, building standards and oversight of tenant finish out program. Coordinated design documents, construction, and Move-in of 20 major tenants in less than 6 months.	\$45 M \$17 M
DFW Teleport: Dallas, Texas. Project Coordinator, satellite Uplink facility Feasibility study, fiber connection negotiation, -design through construction	\$5 M
Wyndham Hotel: Northwest Austin, Texas. Project coordinator Completed 500,000 sq. ft. 473 room luxury atrium hotel, two Months early and under budget.	\$51 M
Wyndham Hotel Midtown Atlanta: Atlanta, Georgia Project coordinator, developed 100% CADD, 10 story Prototype fast tracked construction schedules.	\$17 M
Wyndham Cayman Resort Hotel: Cayman Island. Project coordinator, schematic design and CADD generated Mortgage package, initial budget.	\$24 M
Virgin Islands Grand Wyndham Resort: St. Thomas, Virgin Islands Initial site inspection and analysis. Extensive renovation documents, budgeting and construction coordination.	\$12 M
Lakepointe Garden Hotel: Charlotte, North Carolina. CADD prototype design, interior design, consultant management. Construction document quality control.	\$7 M
Anatole Hotel: Dallas, Texas. Renovation, addition coordination, Project coordinator for exhibit hall addition.	\$12 M
Franklin Plaza Hotel: Philadelphia, Pennsylvania. Initial project Inspection, analysis, design, and renovation oversight.	\$4 M
Rose Hall Wyndham Resort Hotel: Jamaica. Site inspection, Renovation budgeting, documentation, and pricing.	\$8 M
Garden Hotel Program: Dallas, Texas. Rollout of CADD prototype Design and standards development, consultant coordination. Construction quality control/oversight.	
Los Colinas Garden Hotel: Dallas, Texas	\$7 M
Wood Dale Garden Hotel: Chicago, Illinois	\$7 M
Egan Woods Garden Hotel: Minneapolis, Minnesota	\$7 M
Novi Garden Hotel: Novi, Michigan	\$7 M

ARCHITECT

Goleman & Rolfe Associates, Inc. Houston, TX

Apprentice to senior designer of large architectural firm during the Houston building boom. Gained extensive hotel and education project type experience while working up to Project Architect, Designer and Construction Administrator. Obtained Texas Architectural, AIA & NCARB registration which are maintained to present.

Major Projects

Corpus Christie Marriott: Corpus Christie, Texas. Project architect-
Mortgage package, code analysis, design development, working drawings,
And consultant coordination. \$11 M

Houston Sofitel Hotel: Houston, Texas. Interior design coordination
And construction document production. \$8 M

Antigua Sofitel Hotel: Antigua, West Indies.
Schematic design and mortgage package. \$8 M

L.B.J. Hilton Addition: Dallas, Texas.
120-room addition schematic design and mortgage package. \$5 M

North San Antonio Hilton: San Antonio, Texas. Interior design,
Coordination and document production. \$7 M

Miami Sofitel Hotel: Miami, Florida.
Schematic design and mortgage package. \$8 M

Arlington Hilton Hotel: Arlington, Texas
Code analysis, working drawings through construction. \$9 M

Brookhollow Marriott Hotel: Houston, Texas.
Working drawings through construction. \$9 M

Greenspoint Hotel/Office Building Houston, Texas.
Schematic design and mortgage package. \$12 M

Kyle Field Expansion: Texas A&M University.
Working Drawings.

F.A.A. Control Tower: Houston, Texas
Prototype for low and medium activity airports, working drawings \$8 M

CC Hardy Jr. High School: Willis, Texas
Project architect, construction administration. \$6 M

Willis High School Addition: Willis, Texas.
Auditorium design, working drawings, and construction administration.
Consultant coordination. \$3 M

Jennie Reed Elementary School: LaPorte, Texas.
Design and working drawings. Consultant coordination.
Construction administration. \$4 M

Ridgewood Elementary: Conroe, Texas.
Design, production, construction administration. \$4 M

Oakridge High School: Conroe, Texas.
Schematic design, working drawings, construction administration. \$10 M

Chris Leyenberger - Work History

CONTRACTOR

Blake Construction Company Washington, D.C.

Summer intern with Vincent Kling and Partners in Philadelphia – worked on the design and working drawings for the National Association of Homebuilder's National Housing Center in Washington DC. The following summer, worked as a laborer and survey engineer to see the building constructed. Negotiated a unique co-op program with Virginia Tech to stay and see the building completion.

Walter Reed Army Medical Center Hospital: Washington, D.C.

Chief Quality Control Engineer. Liaison to Army Corps of Engineers.
Responsible for quality of testing, coordination, and workmanship.

\$150 M

J. Edgar Hoover Building: Washington, D.C.

Layout Engineer. Survey team assistant.

\$200 M

N.A.H.B. National Housing Center: Washington, D.C.

Layout engineer, Carpenter's helper. Follow up to summer internship
Design assistant with Kling and partners, Philadelphia, Pennsylvania.

\$4 M