



The banner features a dark blue background with a red border. At the top left, there are three flags: the Pakistani flag, the American flag, and a red arrow pointing to the Chinese flag at the top right. Below the flags, the text reads "Project Delivery Delegation to China" and "November 30 – December 11, 2010". At the bottom, there are three images: the Tiananmen Gate, a terracotta warrior statue, and the Shanghai skyline. A circular logo for "PEOPLE TO PEOPLE" is in the bottom left corner.

Project Delivery Delegation to China
November 30 – December 11, 2010



12 Delegates from across the United States Of America

San Francisco (2)
Salt Lake City
Phoenix

Denver (2)
St. Louis
Detroit

New York City
Washington, DC (2)

... and
Pakistan
Karachi





We are:

INDUSTRY LEADERS

- Architects
- Attorneys
- Business Executives
- Consultants
- Contractors
- Design-Builders
- Educators
- Engineers
- Planners

Working on:

CAPITAL PROJECTS

- Buildings
- Electrical & Mechanical Systems
- Highways
- Hospitals & Schools
- Infrastructure
- Office & Interior Spaces
- Parks
- Retail
- Water & Wastewater Systems



Public and Private

OUR PRIMARY AREAS OF INTEREST:

- Delivery models used for capital projects
 - China as compared to USA
- Experience with design-build & other integrated models
- Criteria for choosing what delivery model is appropriate
- Collaboration between designers and builders
 - How to achieve it, and improvement of project outcomes
- Advanced technology benefiting design and construction
 - Including Building Information Modeling (BIM)
- Disputes connected to construction projects
 - What dispute resolution systems are used



ADDITIONAL AREAS OF INTEREST:

- Performance specifications
- Improving schedule
- Organizing project teams
- Commissioning of projects
- Contracts and risk management
- Public-Private Partnerships
- “Green” building (sustainability)
- Project funding
- Joint ventures



PROJECT DELIVERY IN THE USA

THREE BASIC MODELS

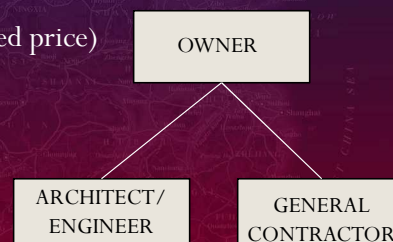
- Design-Bid-Build (DBB)
 - Most traditional, still most common
- Construction Management At-Risk (CMAR)
 - Developed in 1970's
- Design-Build (DB)
 - Newer model, growing since 1990's
 - Now as common as CMAR



PROJECT DELIVERY IN THE USA

Design-Bid-Build (DBB)

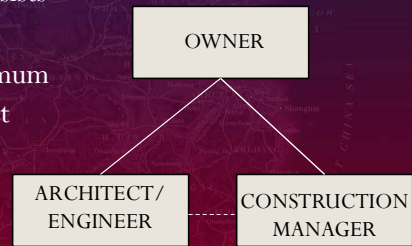
- Architect /Engineer creates project design
- Contractors bid on completed plans and specifications
- Award lump sum contract (fixed price) to lowest bidder



PROJECT DELIVERY IN THE USA

Construction Management At-Risk (CMAR)

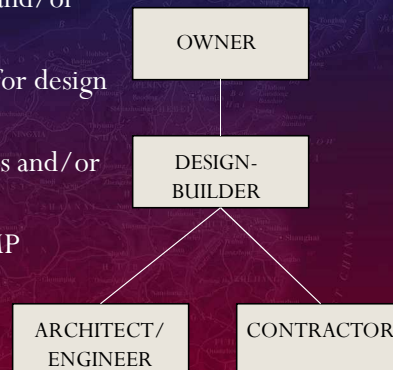
- Architect /Engineer creates project design
- Construction Manager (CM) assists during design phase
- CM develops guaranteed maximum price (GMP) then builds project



PROJECT DELIVERY IN THE USA

Design-Build (DB)

- Owner develops performance and/or prescriptive criteria
- Hires single entity responsible for design and construction
- Selection based on qualifications and/or price
- Can use lump sum price or GMP



INTEGRATED DELIVERY

- Concept: Better collaboration between design and construction
- Delivery Models - Can be used with:
 - Design-Build
 - Construction Management At Risk
 - New: Integrated Project Delivery (IPD)
- Techniques:
 - Early involvement of key participants
 - Partnering to build trust
 - Define common goals and incentives
 - Co-locate team
 - Building Information Modeling (BIM)
 - Lean Construction philosophy



INTEGRATED DELIVERY: Potential Benefits

- Schedule
- Quality
- Value for price
- Innovation
- Sustainability
- Fewer disputes



OUR KEY QUESTIONS:

- How is project delivery handled in China?
- Are you using integrated delivery?
- What is working to achieve successful projects?



DELEGATION LEADER

Tom Porter, JD, DBIA
President
Tom Porter Services LLC
Detroit, Michigan



Tom is an independent business consultant specializing in the construction industry. He was formerly Executive Vice President of a national contractor building hospitals, schools, stadiums, power plants, and manufacturing facilities. Before that, he served as an attorney, in private law practice and for the US Department of Justice. Tom is active in the leadership of the Design-Build Institute of America (DBIA), including teaching DBIA classes. He served as Chairman of the Board of DBIA in 2009.



Carlos M. Braceras, PE
 Deputy Director & Chief Engineer
 Utah Dept. of Transportation
 Salt Lake City, Utah



Carlos supervises over 1,600 employees responsible for design construction and maintenance of roads and highways at UDOT, recognized as one of the most progressive highway agencies in the US. He is Secretary-Treasurer of the American Association of Highway and Transportation Officials (AASHTO). He is also active in the leadership of the Standing Committee on Highways (SCOH). He holds degrees in Civil Engineering and Geology and was named 1998 State of Utah Governor's Manager of the year and was 1998 UDOT Leader of the Year.



Terry H. Brooks, Jr., AIA
 President & CEO
 Development Services, Ltd.
 Washington, DC



Terry is an architect, land use planner, urban designer, and land development administrator and advisor. For 15 years, his firm has provided expertise to development firms in the Washington, DC. Metropolitan Area. Until his retirement in 2010, he was Division Chief for the Maryland National Capital Park & Planning Commission. He holds a a Masters of Architecture Degree with a specialty in Urban Design. He has served He has served on the faculty of several universities and has received various awards for his contributions in the fields of Architecture, Landscape Architecture, and Community Land Use Planning.



William Dean

President and CEO
 M.C. Dean, Inc.
 Dulles, Virginia



As CEO of M.C. Dean, Bill oversees more than 2,500 employees at one of the leading electrical contractors in the US. The firm specializes in electronic systems integration and electrical and telecommunications systems engineering, specialty construction, and operations and maintenance. Under his leadership, the firm has experienced a twentyfold growth in revenue; it has worked on five continents and in over 40 countries. A graduate electrical engineer, Bill is active in several industry associations, including service on the national board of the Design-Build Institute of America (DBIA).



Javier de la Garza, AIA, LEED AP

Principal
 DE LA GARZA ARCHITECTURE LLC
 Dobbs Ferry, New York

Javier founded his firm to provide design, architecture, and project management services to commercial clients. His work has included high-end retail interiors for clients such as Louis Vuitton and Gucci America. His design of a company headquarters office in Rockaway, NJ won a regional AIA award for excellent design. He has a Bachelor degree in Architectural Design and a Master of Architecture degree.



Anthropologie
 Rockefeller Center, NYC



Roger Johnson

Director of Building and Commissioning Services
 Commissioning Agents, Inc.
 Denver, Colorado



Roger provides commissioning services for new buildings, schools, hospitals, pharmaceutical, and government projects. He commissioned the first hospital in the US to achieve LEED Silver certification, as well as aircraft support facilities, higher education buildings, research labs, and other high profile construction. He is a board member for the Southwest Chapter of the Building Commissioning Association. He is a member of numerous industry associations including the Design-Build Institute of America (DBIA).



Jim Mallore, PE

Comprehensive Planning Engineer
 Metro Wastewater Reclamation District
 Denver, Colorado



Jim performs Capital Project Planning for the Metro Wastewater Reclamation District. His work involves capacity planning, facility planning, financing, flow and loading projections, population projections, and preliminary design. He provides long-range planning forecasts and performs project management. He holds a degree in civil engineering, is a registered professional engineer, and is a member of the American Society of Civil Engineers, the Design-Build Institute of America, and the Water Environment Federation. He has delivered presentations to various professional conferences.



John McCaffrey, AIA, FCSI, CCS

Principal
 John Patrick McCaffrey, Architect, PC
 San Francisco, California



John is a specifications consultant who has been very active in the development of the Uniform Drawing System (UDS) for the Construction Specifications Institute (CSI) and its acceptance as part of the U.S. National CAD Standard (NCS). A former Chairman of the UDS Task Team, he is a frequent presenter at industry conferences. He has received numerous awards for his contributions to the CSI. He has participated in the development of specifications used to carry out "green building." He is a member of the Specifications Consultants in Independent Practice (SCIP).



Naeemuddin Ahmed Siddiqui

Managing Director & CEO
 ZCL - Ziauddin Ahmed & Co. (Pvt.) Limited
 Karachi, Pakistan



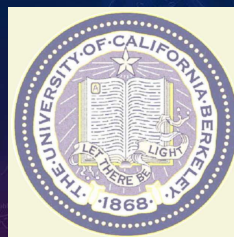
Naeem owns a professional construction service company which he has run successfully for 22 years. He has extensive experience in management of projects that include civil, prefabricated buildings, steel structures, restoration of heritage sites and other existing buildings, and interior construction. The firm has full capability in executing fast track construction. Being innovative, he introduced the concept of design-build in Pakistan and was the first Pakistani member of the Design-Build Institute of America. He is working for industry betterment through active membership in the All Pakistan Contractors Association and various other organizations.



Justin Sweet, Professor Emeritus

Boalt Hall School of Law
 University of California - Berkeley
 Berkeley, California

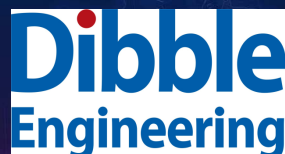
Justin is a retired professor of law and a celebrated author in the field of construction law. His book on *Legal Aspects of Architecture, Engineering and the Construction Process* is in its 8th edition. He has also authored *Construction Industry Contracts* and *Sweet Anthology of Construction Writing*. He has served as a visiting professor in Italy (as a Fulbright lecturer), Israel, Belgium, Switzerland, and Canada. He has been very active in the Forum on the Construction Industry of the American Bar Association. He serves as an arbitrator and expert witness.



Rebecca Timmer

Corporate Relations
 Dibble Engineering
 Phoenix, Arizona

Rebecca handles government affairs and development of new markets for a civil engineering firm working in transportation, water, and other infrastructure sectors. She has handled account management, business development, marketing, and business analysis. She has successfully chaired three Public Private Partnership (PPP) conferences. She is a Board of Directors member for the American Public Works Association; a participant of the 95th Arizona Town Hall on Government Revenue; and is the Chair of the Arizona Association of Economic Development's Day at the Capitol-Legislative Luncheon.



Kirk Warden, AIA, LEED AP
Senior Vice President / Partner
Clayco
St. Louis, Missouri

Kirk leads the Institutional Business Unit for Clayco, Inc. a national real estate, design and construction company specializing in Integrated Project Delivery. He is responsible for finding opportunities, competing and securing projects, and monitoring implementation. His current projects include a \$132M hospital addition and a \$100M university engineering lab. Past projects include a 200,000 square foot university research center, a 10,600 seat basketball arena, and several corporate headquarters. The Clayco Family includes Forum Studio, an architectural firm, and Concrete Strategies, Inc., a concrete placement contractor.



CLAYCO
THE ART & SCIENCE OF BUILDING
FORUM
THE ART & SCIENCE OF BUILDING
CONSTRUCTION SUCCESS
CONCRETE
STRATEGIES



THANK YOU!

谢谢





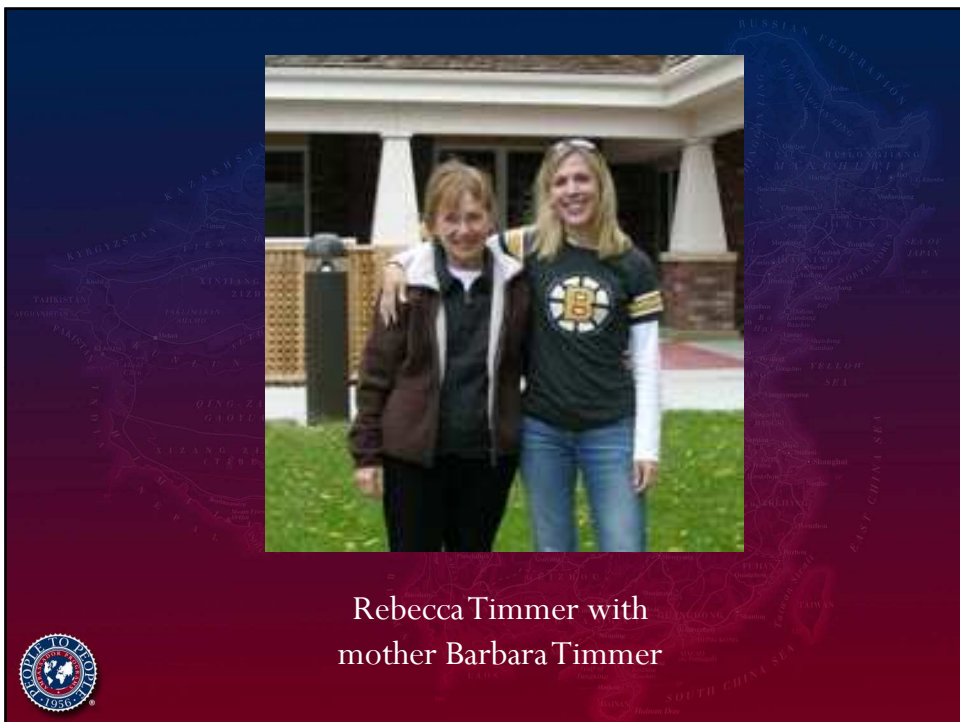
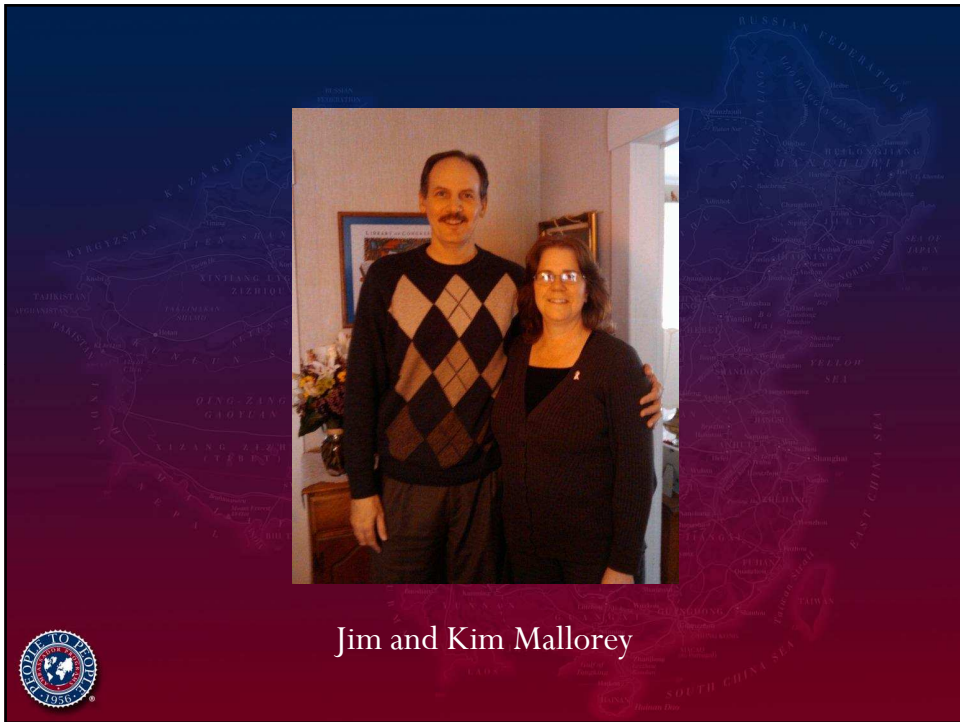
Ann and Kirk Warden

and with family



Tom Porter and Anne
Ballew with our crew







Sheba and Justin Sweet

