Nancy Boyd, P.E., L.E.G
Project Director
20011-Present

As Director of the Bi-state Columbia River Crossing Project, Nancy is responsible for project development and implementation. The project includes replacement of the Interstate-5 bridges, extension of Light Rail Transit across Hayden Island and through downtown Vancouver, and rebuilding approximately 5 miles of Interstate-5 along with 7 major urban interchanges. Nancy's responsibilities for this multi-billion dollar project include: program management oversight from scoping through completion of construction; defining policy direction for the staff and team of consultants; developing partnerships with federal and state agencies and local jurisdictions; developing Bi-state partnerships; and defining project development and implementation strategies.

Professional Experience:

WSDOT, Headquarters, Design Office **2007 to 2011**
Deputy State Design Engineer

As Deputy State Design Engineer, Nancy provided strategic leadership and management of the WSDOT HQ Project Development Division. She represented WSDOT on the steering committee of a legislatively-directed effort to develop Washington State's Integrated Climate Change Response Strategy, co-chaired the Infrastructure/Communities Topic Advisory Group, and was one of five senior managers on WSDOT's Sustainable Transportation Steering Committee. Nancy was also responsible for oversight of a federally-funded pilot project to assess potential climate change risks on WSDOT infrastructure. She was sponsored by USDOT as a panelist at UN Climate Change COP 16 meeting in Cancun, Mexico, and made two presentations on climate risks to the transportation system and livable communities/sustainable transportation. She initiated development of improved design policy and guidance for accessible pedestrian design.

WSDOT, Headquarters, Design Office **2004-2007**
Assistant State Design Engineer

In her position as Assistant State Design Engineer, Nancy reviewed, coordinated, approved, and monitored project development and roadway design in the NW Region SnoKing Area. She also provided organizational oversight of the Access and Hearings Unit, the Project Development Unit, and the Right-of-Way Plans Unit of the HQ Design Office.

WSDOT, Olympic Region, Design Office **2002-2004**
Project Engineer

In this position, Nancy managed the Olympic Region's Olympia Design Office. She was responsible for the development of large freeway improvement projects, including the Tacoma/Pierce County HOV program and SR 704 Cross-Base Highway.

WSDOT, Headquarters, Design Policy, Standards, and Research Office **2001-2002**
Safety Research Engineer

As Safety Research Engineer, Nancy was the Project Manager for the development of design policy and research efforts, including safety and aesthetics in urban roadway design and context-sensitive design issues.

Education:

Whitman College, Walla, Walla, WA
BA Geology, 1987

Accreditations:

Civil Engineer – Washington, License #38298
Engineering Geologist - Washington, License #793

John Clark, P.E., Ph.D.
Senior Bridge Design Technical Advisor
July 2008 – Present

John serves as technical advisor to Columbia River bridge design team. He also provides over-the-shoulder quality control of the Columbia River bridge design.

Professional Experience:

Hoover Dam Bypass Bridge
Boulder City, Nevada

John provided work-in-progress quality control analysis for this 1090 feet span arch bridge over the Colorado River just below Hoover Dam. This work entailed a detailed independent analysis of the arch and approach spans including dead and live load, wind and seismic response, and review of cable-stayed erection scheme for the arch.

Bandra-Worli Sea Link Bridge
Mumbai, India

John served as deputy manager of bridge design for the 3.7 km precast segmental viaduct crossing Mahim Bay. The viaduct is composed of two 15-m roadways on independent structures except for the 500m cable-stayed portion.

West Seattle Freeway, Low Level Swing Bridge
Seattle, Washington

John served as Deputy Project Manager and as Group Leader for the design of the movable spans on this project, which was selected, as the Outstanding Civil Engineering Achievement of 1992 by the American Society of Civil Engineers. The movable spans of this double leaf swing bridge are post-tensioned concrete box girders constructed segmentally by the free cantilever method. Each movable leaf weighs 7500 tons and is raised and moved on a unique hydraulic unit. The bridge was opened to traffic in 1992.

Navajo Bridge, Colorado River
Marble Canyon, Arizona

John served as design and review consultant and performed conceptual design for this 726 feet span steel arch bridge. The project included evaluation of an existing three-hinged trussed arch. The new bridge was required to be similar in appearance to the existing bridge because the existing bridge is on the National Register and was to remain in place. The project was completed in 1995.

Pasco Kennewick Intercity Bridge, Columbia River,
Pasco, Washington

John was responsible for the structural design for the first major concrete cable stayed girder bridge in North America. The 2500 feet long bridge is composed of precast post-tensioned cable-stayed elements and cast-in-place post-tensioned box girder approach spans. The main span length is 981 feet. Preliminary phases of this project included a condition evaluation and load rating study of the existing cantilever truss bridge. The bridge was opened to traffic in 1978.

Education:

BSCE (w/honors), Washington State College, Pullman, WA 1956
MSCE, University of Washington, Seattle, WA 1980
Ph.D., University of Washington, Seattle, WA 1989

Accreditations:

Professional Engineer in California and Washington

Keith A. Daly
Budget Manager
2007-Present

The Budget Manager supports the Project Controls Manager and is the day-to-day liaison with WSDOT's and ODOT's financial entities. The Budget Manager is responsible for program funding liaison between WSDOT and ODOT; Cost Accounting; ensuring compliance with WSDOT and ODOT policies and procedures, state and federal laws and regulations, and agreement terms and conditions; overseeing CRC Program invoice management; and overseeing term sheets and intergovernmental agreements between the two DOT's, between WSDOT and local jurisdictions including TriMet, C-TRAN, City of Portland and City of Vancouver, and between WSDOT and third parties.

Professional Experience:

WSDOT, Vancouver, WA **01/2001 to 10/2007**
Office Engineer - Transportation Engineer III

Supervised 5-6 employees in a Construction/Design office administering a $45 million I-5 widening project. Supervised and prepared construction contract change orders, cost estimates and negotiated costs with contractors. Design contract modifications, including alignment, grades and quantities. Estimate engineering expenses so contracts can be aged accurately.

WSDOT, Hazel Dell, WA **02/1999 to 01/2001**
Office Engineer - Transportation Engineer III

Supervised 5-6 employees in a Construction office administering a $30 million I-5 widening project. Supervised and prepared construction contract change orders, cost estimates and negotiated costs with contractors. Design contract modifications, including alignment, grades and quantities. Estimate engineering expenses so contracts can be aged accurately.

WSDOT, Longview, WA **06/1998 to 02/1999**
Office Engineer – Transportation Engineer III

Supervised 4-5 employees in a Construction office administering various projects including pavers, bridge painters, rock fall projects, and small improvement projects.

WSDOT, Longview, WA **02/1996 to 06/1998**
Construction Project Inspector/Designer – Transportation Engineer II

Responsible for the construction contract inspection on major WSDOT construction projects including grading, drainage, excavation, embankment, compaction and bridge replacement.

Education:

Centralia Community College, Centralia, WA
Associates Degree Civil Engineering Technology, June 1987

Mark A. Degenhart
Field Operations Manager
2008-present

The Field Operations Manager assists the Assistant Structures Manager in day to day activities related to coordination and inspection for all field work in support of final design. The Field Operations Manager is responsible for communication and coordination with contractors, agencies and the public related to field operations; coordinating procurement of rights of entry and permits related to all field work; performing constructability reviews; and coordinating and managing inspection for all field work.

Professional Experience:

WSDOT, Vancouver, Washington **6/2003 to 9/2008**
Transportation Engineer III

Serve as Design/Construction Team Leader in charge of multiple major projects within the Clark County area of the Southwest region of WSDOT. Represent the Department at public meetings, open houses, to local agencies, contractors, consultants, for specific projects. Management of teams of professionals, both agency and consultant, with the intent on delivery of the projects assigned. Review and administer contract plans and special provisions, prepare and monitor project schedules, monitor project funding, maintain project files, maintain material requirements/documentation, coordinate with support groups and local agencies, prepare finale records, generate as-builts, prepare serial letters to the contractor, prepare and negotiate change orders. Provide leadership and guidance for entry level engineers and technicians.

WSDOT, Vancouver, Washington **11/2000 to 6/2003**
Transportation Engineer II

Serve as lead inspector on multiple projects within the office. Inspect and direct the inspection of roadways, major structures, drainage and sanitary sewer systems, illumination systems, electrical systems, signal systems, and stake out alignments. Review special provisions, specifications, plans and estimates. Train entry level engineers and technicians.

WSDOT, Vancouver, Washington **4/1990 to 11/2000**
Transportation Technician II / III

Serve as inspector/material's tester on several projects with in the office. Document construction activities and materials. Perform various inspection/testing duties including structures, paving operations, embankments, drainage systems, sidewalk and curb, signal, illumination, electrical systems, striping, erosion control and traffic control. Prepare field note records for pay estimates. Quantity calculations and checking Design / Construction. Performed various survey duties Design / Construction. Utilized engineering software CAICE, CEAL, Microstation, AutoCAD, Arcview, CAPS, Microsoft Excel, Microsoft Word, Microsoft Outlook, Filemaker Pro.

Education:

Clackamas Community College, Clackamas, Oregon
Associate of Applied Science, 1989

Matthew Deml, P.E., S.E.
Columbia River Bridge Approaches and North Portland Harbor Bridge Lead
July 2006 – present

Matt oversees the day-to-day technical design development of the Columbia River Bridge Approaches and the North Portland Harbor Bridges. This includes overseeing the day-to-day development of preliminary and final designs to agency design standards and policies including meeting architectural and environmental goals. He authored bridge type selection reports, seismic study reports, aviation and navigation technical reports, and other environmental impact reports related to the Columbia River Crossing Project's bridges.

Professional Experience:

Matt has been involved in numerous highway and transit bridge projects in several different regions of the country. He is experienced all stages of project development and multiple methods of project delivery including design-build and construction manger/general contractor (CM/GC).

Utah Department of Transportation Owner, Salt Lake City, Utah **2005-2006**
I-15 New Ogden-Weber (NOW)

As a senior engineer, Matt completed the preliminary design documents and assembled other required documentation for all 14 bridge structures in the project. This information was incorporated into the request for proposals submitted to each of the design/build teams.

Utah Transit Authority, Ogden, Utah **2004-2005**
Frontrunner - Commuter Rail

As a bridge engineer Matt completed the design of two major bridge structures. The first structure was an 11-span 1,333-foot-long (406-meter-long) structure. The second was a four-span 659-foot-long (201-meter-long) structure.

New Mexico Department of Transportation, Albuquerque, New Mexico **2004-2005**
Coors Boulevard—I-40 Interchange Reconstruction

As a bridge engineer, Matt completed the design of two bridges for this design/build project. Seismic analysis and design was also completed on two additional bridges.

North San Diego County Transit Development Board, California **2004**
Sorrento – Miramar Realignment

As a bridge engineer, Matt, performed design of an eight-span, 763-foot-long (233-meter-long) rail bridge. The bridge consisted of a prestressed box girder superstructure and single column piers varying in height from 18 feet (5.5 meters) to 52 feet (16 meters).

Utah Transit Authority, Murray, Utah **2002-2003**
UTA Light Rail (Trax) Bridge over I-215

Matt participated in the design and construction of a 228-foot (88-meter), two-span rail bridge. The bridge received a Silver award from *Intermountain Contractor* magazine in their best of 2003 edition.

Education:

University of Utah, Salt Lake City, Utah
M.S. Civil Engineering, 2005
B.S. Civil Engineering, 2000

Accreditations:

Professional Engineer in Washington and Oregon
Professional Structural Engineer in Utah

Tonja L. Gleason C.P.A.
Document Control Manager
September 2005 – Present

The Docuument Control Manager is responsible for managing, distributing and keeping records on all documents that are either developed internally or externally issued reference documents used in the development of the CRC Program while adhering to strict approval processes and version control.

Professional Experience:

Parsons Brinckerhoff, Portland, OR **2005 to present**
Project Controls Manager

Manager in charge of development, implementation and ongoing administration of the Project Control systems needed in order to manage the Columbia River Crossing Project.

Major systems and responsibilities include: Cost Control, Document Control and Schedule Control.

Panama Canal Authority, Panama City, Panama **2003 to 2005**
Senior Consultant

Senior Consultant in charge of assessing the capabilities and performance of existing program controls within the Panama Canal Authority that would be used to manage the Third Lane Locks multi-billion dollar expansion program. From these initial assessments recommendations were made as to configuration and set up of all systems needed to embark on the mega project.

DFW International $2.8B Capital Development Program, Texas **1999 to 2005**
Senior Project Controls Manager

Senior Project Controls Manager responsible for the creation of the project controls systems and infrastructure that enabled a complex and fast-track program with multiple management teams to be constantly and consistently analyzed and reported on with timely, complete and accurate information. Development and deployment of a reporting system geared specifically to the needs of the Airport's $2.8B capital development program which was able to provide accurate, timely and relevant information to individuals at all levels of the organization, as well as interested outside stakeholders.

DFW Int'l Airport East Side Runway Mitigation Program, Texas **1996 to 1999**
Senior Project Controls Manager

Dallas Fort Worth (DFW) International East Side Runway Mitigation Program, Dallas, Texas: Financial Controller charged with the responsibility of going in midway through the program and reconstructing the documentation of the financial reporting for the $176M program that was in danger of losing grant funding due to non-compliance. Audited by the United States Department of Transportation twice prior to the end of the program with no significant audit findings.

Deloitte & Touche, Dallas Fort Worth, Texas **1990 to 1996**
Auditor

Auditor with a primary governmental client base and an emphasis on the Single Audit Act. Major clients included City, State School District and Water Authority agencies.

Education:

University of Texas at Arlington, Arlington Texas
BBA Accounting 1991, Highest Honors

Joseph A. Gray
Right-of-Way Manager
August 2011 – present

The Right-of -Way Manager oversees the preparation and day-to-day implementation of the Real Estate Acquisition Management Plan. This will be accomplished through close collaboration with and by leveraging TriMet staff knowledgeable in FTA requirements. He manages the ROW function supported by ROW staff from WSDOT, ODOT, and qualified consulting staff with expertise in ROW negotiation, acquisition and relocation on large, complex multi-modal projects.

Professional Experience:

Served as the Unit Manager for Region 2 Technical Center, Managing project delivery for both disciplines with a budget of 110+ million and 50+ projects.

Full Management and responsibility for delivery of Right of Way and Utilities for project delivery within Region 2. This responsibility included management of 12 Right of Way staff and 2 Utilities staff. Managing two different disciplines provided me an opportunity to enhance my skills as a manager and allow me to learn a broader vision of project delivery and problem solving skills that came with managing more than one discipline. Managing a much larger program has given me the opportunity to grow my management skills and have a perspective of how the project delivery is accomplished in other Regions.

Oregon DOT, LaGrande, Oregon **2001 to 2009**
Region Right of Way / Survey Manager

Job Description: Manage 2 units for Region project delivery. Managed 5 Right of Way employees and 7 Survey employees in the Region Tech Center.

Oregon DOT, LaGrande, Oregon **1999 to 2001**
Senior Right of Way Project Manager

Job Description: Serve as Project Manager and Team Leader of Right of Way Projects for project delivery of the Regions program.

Oregon DOT, LaGrande, Oregon **1994 to 1999**
Right of Way Agent

Job Description: Perform Appraisals, Negotiations and Relocation activities on projects in Region 5. Responsible for Right of Way field work.

Oregon DOT, LaGrande, Oregon **1985 to 1994**
Traffic Anyalist and Construction Specialist.

Job Description: Worked in Traffic operations, Construction Inspection & Survey and Bridge inspection for Region 5.

Education:

Eastern Oregon State, LaGrande, Oregon: 1981- 1982 No degree

Franklin T. Green, PE
Structures Manager
May 2006 – present

The Structures Manager oversees all aspects of structures engineering including the Columbia River Bridge, the Portland Harbor crossings and other structures serving both the transit and highway components of the Program. Responsibilities include providing leadership and day-to-day coordination and management of the Structures Team completing the FEIS, Final Design documents for D-B-B project packages, and design oversight for D-B project packages; monitoring work plans for all Structures Engineering activities to ensure performance to approved scope, schedule and budget; overseeing professional staff responsible for geotechnical drilling and preparation of design recommendations for marine and land bridges; and ensuring construction documents meet applicable design standards and policies for WSDOT, ODOT, FHWA, and FTA and support the delivery schedule for letting construction contracts.

Professional Experience:

WSDOT, Vancouver, WA **2006 to 2007**
Assistant Design Engineering Manager, Columbia River Crossing Project

Assisted the Design Engineering Manager with direction, oversight, and outcome of highway design functions. Acted as a technical liaison between CRC Staff and Bi-State Agencies to ensure that all agency guidelines and standards were met. Worked directly with consultant design task leaders to ensure that deliverables are received as well as reviewing and approving all deliverables related to highway design. Responsible for coordinating, obtaining, and maintaining the technical and procedural manuals for all stakeholders of the CRC project for the staff's use. Responsible for ensuring the organization, storage, and operation of all engineering related files.

WSDOT, Vancouver, WA **2004 to 2006**
Design/Construction Team Leader, Vancouver Area Engineering Office

Design Team Leader - Responsible to ensure that all aspects of the design meet agency standards for the SR500 / Sj. Johns Interchange and Salmon Creek to NE 129th Street Noise Wall projects. Coordinated between the design team and support groups such as Bridge and Structures, Geotech, Utilities, Real Estate Services, Local Programs, and Traffic. Responsible for all technical aspects of the project as well as ensuring that all milestones for the project schedule were met.

Construction Team Leader - Coordinated and mentored the project inspectors so that all aspects of the project would be constructed per the contract plans and specifications for the I-5 widening project from Salmon Creek to I-205. Coordinated with the contractor and local agencies, presented the project at public meetings, prepared change orders and back up for change orders, writing correspondence to the contractor, preparing as-builts, working with inspectors and office staff to complete clear and concise pay notes, and reviewing the contract plans and special provisions.

WSDOT, Vancouver, WA **2002 to 2004**
Transportation Engineer 2

Served as a construction inspector on the widening project in Battleground and as Project Lead Inspector on the I-5 widening project from Salmon Creek to I-205. Inspection duties included roadway excavation operations, determining if the subgrade was acceptable / suitable, crushed surfacing base rock placement, curb installation, and solving construction related issues with the contractor and WSDOT personnel. Performed the preliminary geometric design for the SR 500 / St. Johns Interchange Project.

Education:

Montana State University, Bozeman, Montana
B.S., Civil Engineering (12/2001)

John R. Griffiths, PE
Operations Lead
December 2009 - Present

The Operations Lead oversees the integration of operational requirements of TriMet and C-TRAN into final design documents. The Operations Lead is responsible for integrating operational requirements of each respective Agency into final design documents and participating in the Technical Advisory Committee meetings.

Professional Experience:

TriMet, Portland, Oregon **12/96 to Present**
Manager, Rail Operations Planning

Managed the development and updating of operating and fleet management plans for TriMet's light rail and commuter rail systems. Assured that operating plans were consistently applied in rail project planning, design and construction programs by serving as liaison between planning, engineering and operations. Managed planning consultants and operations department input in the development of TriMet's "Rail Operation Facilities Master Plan". Lead consulting teams, the land use application and public hearing process and bid document preparation for the Interstate and Mall/I-205 operations and maintenance facility expansions. The expanded facilities include accommodations for 127 LRVs and an Operations Control Center (OCC) where rail central control and bus dispatch are co-located. Managed consultants who developed train/signal and train/traffic simulation models using AutoMod and Vissim, respectively.

TriMet, Portland, Oregon **12/91 to 12/95**
Engineer IV & V, Westside Light Rail Project

Project Engineer managing final design and bidding for Line Sections 4C (Downtown Portland), 8 (S.W. 170^{th} to 185^{th}) and Sunset Transit Center contracts. Directed the development of TriMet's first train/traffic computer simulation models using Transsim and Vissim.

TriMet, Portland, Oregon **9/87 to 11/91**
Engineer III, Engineering Services Department

Responsible for station design, site evaluation for east tunnel portal and Downtown Portland alignment design for Westside LRT Preliminary Engineering. Developed the initial station layouts and directed consultants who refined those layouts and studied the existing MAX system in order to update station design criteria. Directed value engineering consultant who studied Westside Corridor Project.

Education:

University of Virginia, Charlottesville, VA.
M.S.C.E. in Transportation Planning

Worcester Polytechnic Institute, Worcester, MA.
B.S.C.E. in Transportation Engineering

Professional Registration:
Professional Civil Engineer, Oregon No. 12933

Marc Guichard
Architecture Landscape Lead
2010-Present

The Architecture Landscape Lead oversees the day-to-day preparation of preliminary engineering and final design plans for station streetscape and shelters, park and ride garages, transit systems buildings, and integrating Public Art infrastructure into project design.

Professional Experience:

TriMet, Portland, OR **2008 to Present**
Engineer 1

Responsibilities included civil inspection and office engineering assignments for the Green Line LRT Project. Specific duties included operations research/ logistics (permit scoping & status tracking, submittal review, ROW acquisition & disposition, contractor procurement); owner representation at field and office meetings, field documentation of construction techniques, progress, and contractor resource deployment; field assessment of contractor invoices; quality assurance focusing on station construction and safety certification, structural and architectural concrete placement, retaining wall construction and sub-grade preparation.

Metro Regional Government, Portland, OR **1997 to 2008**
Senior Regional Planner

Developed expertise across a range of skills related to urban development including document creation; negotiating and drafting legal documents; environmental impact scoping and analysis; logistics, procurement, contract administration, and project management; real-estate financial analysis; charrette and public workshop management; multimedia presentation preparation and delivery. Co-created and operated the *Transit-Oriented Development Implementation Program*, an innovative public-private partnership development program to induce transit ridership and facilitate the creation of vibrant mixed-used pedestrian districts. This program won the American Planning Association's **2008 National Planning Excellence Award for Best Practice.**

TriMet, Portland, OR **1996 to 1997**
Capital Project Planner

Managed the design and construction of discrete transit facilities including bus shelters, layover pads, pullouts, bicycle facilities, and ADA access ramps.

TriMet, Portland, OR **1994 to 1996**
Station Area Development Coordinator

Identified and marketed residential and commercial development opportunities in 26 light rail station areas within the cities of Gresham, Portland, Beaverton and Hillsboro.

Education:

Stanford University Stanford, CA
BA, Program on Urban Studies: Urban Design, 1992

Portland State University, Portland, OR
Since 2006, civil engineering coursework requisite to P.E licensure, focusing on multi-modal transportation systems. Progress to date: 142 units complete of 146 units required for BSCE (97% complete)

Accreditations:
American Concrete Institute: Certified Concrete Field Technician, Grade 1, 2008

Lynn R. Halsey
Operations Lead
2007 - Present

The Operations Lead oversees the integration of operational requirements of TriMet and C-TRAN into final design documents. The Operations Lead is responsible for integrating operational requirements of each respective Agency into final design documents and participating in the Technical Advisory Committee meetings.

Professional Experience:

C-TRAN, Vancouver, WA **1999 to present**
Director of Operations

Responsible for the development of organization and operating plans, procedures, and goals; monitor and control performance of the Operations Department in conformance with objectives, plans, schedules, and budgets; prepare department budget; administer employee grievance process, including conducting hearings and follow-up action; provide supervision for professional and technical contract and non-contract employees, as well as supervisory personnel engaged in all phases of the department's activities, including on-street operations and short- and long-range planning.

C-TRAN, Vancouver, WA **1994 to 1999**
Manager, Customer Service/Security

Performed a full range of supervisory functions that included selecting/training personnel, planning workloads, promoting quality and division efficiency; managed customer comment program; provided oversight on pass sales, cash balances, bank deposits, and revenue processing; and developed and managed C-TRAN's security program to include oversight of all contracted security.

C-TRAN, Vancouver, WA **1989 to 1994**
Operations Supervisor

Responsible for the direct supervision of all transit service to include field supervision and performance evaluation of bus operators to ensure schedule and service compliance; planned and scheduled daily work assignments to ensure efficient utilization of personnel, facilities, and transit coaches; provided operator training, accident investigation, and route information; and developed security program to address the security concerns of patrons and employees.

Education:

Concordia College, Portland, OR
B.S. in Business Administration (1997-1998)

Columbia Basin Community College, Pasco, WA
Associate of Arts Degree (1975-1976)

Thomas Heilig
Systems Lead
2007 - Present

The Systems Lead oversees all aspects of systems engineering including light rail vehicle procurement and development, traction electrification, signals, communications, and fare collection.

Professional Experience:

TriMet, Portland, Oregon **2000 to 2007**
Systems Engineering Manager

Manage systems engineering design, construction and manufacturing activities for all TriMet MAX light rail projects, including the Interstate MAX Light Rail Project, the Airport extension of the MAX light rail system, coordination with the Central City Streetcar project and operations support of the integrated East/West MAX light rail line.

TriMet, Portland, Oregon **1992 to 2000**
Resident Engineer, Light Rail Vehicles

Project Manager responsible for all aspects of the procurement of 46 low floor light rail vehicles for TriMet's integrated East/West light rail line. Includes project management, specification development, engineering and design review, construction management, testing, systems integration, follow-on engineering and revenue service support.

Provided vehicle engineering and systems integration for Westside MAX Light Rail PE, including level boarding study resulting in TriMet's decision to procure the first low floor light rail cars in North America. Developed design criteria, performed simulations and wrote computer programs to evaluate performance of Light Rail Vehicles. Analyzed issues related to rail operation on steep gradients and prepared report.

Project Manager responsible for all aspects of the procurement of 4 Vintage Trolley Rail Cars for operation on TriMet's Banfield Light Rail Line through all phases of the project.

Vehicle engineer for Type 1 Light Rail Cars, providing engineering, testing and inspection support during commissioning through final acceptance and operation start-up of the Banfield Light Rail System. Also provided engineering support for cars in revenue service. Performed various tests of Light Rail Vehicles, designed equipment modifications for Light Rail Vehicle systems.

Education:

Oregon State University, Corvallis, Oregon
M.S. in Electrical Engineering

Technische Universität, Stuttgart, Germany
Vordiplom in Electrical Engineering

Professional Registration:
Professional Engineer, Oregon

Mike Hohbach, PE
QA/QC Manager
May 2010 - present

The Quality Assurance/Quality Control (QA/QC) Manager is responsible for maintaining and responding to FTA review of the Quality Assurance Manual; preparation, implementation, and maintenance of a Quality Control Plan; regular team audits to assure general adherence to the defined QA/QC program; and regular reporting of status to management.

Professional Experience:

David Evans and Associates, Inc., Portland, Oregon **3/88 to Present**
Project Engineer and Sr. Associate

More than 22 years of experience in design and management of public works and private development projects for DEA. Skilled in project team management and in the use of State and Federal design standards and computer-aided design and drafting tools. My expertise is regularly applied in the areas of highway, roadway and light rail related roadway design and construction engineering support. I have worn many hats, to include the following:

Quality Program Manager for DEA's company-wide Transportation Business Unit. In this role I provide leadership in the development and management of DEA's QA/QC activities.

Project Quality Manager for more than twenty projects where my primary responsibility is/was to oversee application of a quality management system with the objective of performing contracted services within the industry standard of care.

Roads and Streets Team Leader requires that I provide leadership for a group of approximately ten professional staff:

Project Manager for more twenty projects spanning the last fifteen years. Projects I manage range in size from $50K to $4.2 million and are typically roadway or highway based with many different professional disciplines on any given project.

Education:

Oregon State University, Corvallis, Oregon
Civil Engineering Courses 1983 to 1986

Linn Benton Community College, Albany, Oregon
A.S. Civil Engineering Technology, 1987

Accreditations: Licensed as a Civil Engineer in the state of Oregon (60901PE)

Jimin Huang, P.E., Ph.D.
Senior Bridge Design Engineer
September 2008 – Present

Jimin serves as design engineer for the Columbia River Bridge final design. He has over 15 years of design and research experience in structural engineering. His experience includes numerical modeling and design of complex structures and bridges; soil-structure interaction; structural experimental testing and retrofit; wind engineering; seismic analysis and design; and bridge load ratings.

Professional Experience:

Luling Bridge Cable Replacement; Louisiana, 2008

Jimin served as a lead analyst for this project to independently review the design and construction documents prepared by CTL and IBT to replace all the cables of Luling Bridge, a cable-stayed bridge with a main span length of 1,200 ft in Louisiana. He conducted the majority of the analytical work including developing numerical models to analyze different cable replacement stages and calculating the effect of live and construction loads. He also prepared a bridge analysis report for the review.

Lee Roy Selmon / I-4 Crosstown Connector; Tampa, Florida

Jimin served as a bridge engineer for an independent review of two segmental bridges, Bridge No. 100701 and Bridge No. 100694, for the Crosstown Connector project. Each bridge has four spans with a maximum span length of approximately 250 ft along sharp horizontal curves (700 to 1,000 ft in radius). The superstructure of the bridge consists of single-cell precast segmental box girders with a width varying from 43 to 47 ft. Dr. Huang developed the analysis models for staged construction, wind loads, and live loads. He also prepared the design review calculations for bearing reactions, shear design, bottom slab design, stress checks during construction, stress checks after construction, foundation, column, and footing designs. Dr. Huang's responsibility also includes developing part of the review reports for the project.

Liberty Memorial Bridge; Bismarck, North Dakota, 2005

Jimin was the project bridge engineer involved in the final design of the concrete alternative for a 2,400 ft long replacement bridge carrying the Memorial Highway over the Missouri River in Bismarck, North Dakota. The project includes the design and plan preparation for the proposed cast-in-place concrete segmental structure consisting of 900 ft of approach spans and six post-tensioned segmental box girder spans varying from 195 to 315 ft in length. He conducted the design of the river piers and the plan development of the substructure. He also conducted the finite-element analyses of transition piers, partial superstructure longitudinal and transverse analyses, and calculation verification of the longitudinal analysis with alternative computer software.

Bayonne Bridge Feasibility Study; New Jersey, 2008

Jimin served as a bridge engineer for preliminary design and analysis of a cable-stayed bridge alternative with a span length of 1,600 ft. and composite deck in this study. This alternative has three cable planes with precast deck panels. The middle cable plane primarily carries the light rail transit on the bridge. His responsibility also included providing required material quantities for this alternative.

Education:

Ph.D, Civil Engineering, University of Minnesota-Twin Cities, Minnesota
M.S.C.E., Bridge Engineering, Tongji University, China
B.S., Engineering Mechanics, Tongji University, China

Accreditations:

Professional Engineer in Florida and Minnesota

Yin Lwin Hwee
Landside Structures Lead
March 2009 - present

Mr. Hwee is responsible for design development of the CRC's landside bridges and retaining walls from concepts to construction documents. This includes overseeing the day-to-day development of preliminary and final designs to agency design standards and policies including meeting architectural and environmental goals; preparing recommendations for bridges and structures types for the landside bridges and structures; and coordinating with the Columbia River Approaches and North Portland Harbor Br. Lead and the Columbia River Bridge Lead on interface issues.

Professional Experience:

David Evans and Associates, Portland, Oregon **3/09 to Present**
Job Title: Senior Bridge Engineer, Project Manager

Job Description: Mr. Hwee is responsible for delivery of landside bridges on the Columbia River Crossing project in Oregon and Washington

CH2M Hill, Portland, Oregon **4/01 to 2/09**
Job Title: Senior Bridge Engineer, Project Manager, Bridge Operations Manager

Job Description: Mr. Hwee was responsible for delivery of bridge projects to clients in Oregon, Washington, Idaho and Montana.

Oregon Department of Transportation, Salem, Oregon **6/85 to 3/01**
Job Title: Bridge Design Engineer, Bridge Engineering Manager

Job Description: Mr. Hwee was responsible for design development of bridge projects and management of bridge engineering staff

Education:

Willamette University, Salem, Oregon
M.B.A.

Oregon State University, Corvallis, Oregon
B.S.,

Accreditations:
Registered Professional Engineer in the State of Oregon, Washington, Idaho and Montana.

Wesley A. King
Deputy Transit Manager
October 2009 - present

The Deputy Transit Manager assists the Transit Manager in managing the activities of the Transit Team supporting preparation of the FEIS and preparing Preliminary and Final Design for all aspects of the transit portion of the CRC Project. The Deputy Transit Manager is responsible for preparing and implementing the Risk and Contingency Management Plan; guiding technical experts from TriMet and consultant staff supporting preparation of the FEIS and preparing preliminary and final design to ensure deliverables meet applicable design standards and policies; assisting in monitoring work plans for all Transit Engineering activities to ensure performance to approved scope, schedule and budget; attending working groups and public meetings to present transit design and gather input.

Professional Experience:

Detroit Department of Transportation (DDOT) Detroit, MI **7/2007 to 9/2009**
Transit Planner/Project Manager

Wesley was responsible for implementing new gateway express route through coordination with the Suburban Mobility Authority for Regional Transit (SMART) and the Michigan Department of Transportation (MDOT), including Southeast Michigan's first HOV lane Assistant Project Manager for the Detroit Transit Options For Growth Study (DTOGS) Alternatives Analysis; this study identified Woodward Light Rail as the LPA. He was also Project Manager for the Downtown Alignments for the DTOGS study and for the Rosa Parks Transit Center bus route realignment accommodating a new facility and improved access to routes circulating throughout the city. He developed an all encompassing 5 Year Plan for the City of Detroit Department of Transportation including, express service, dedicated bus lanes, bike policies, expanded service into suburban communities, etc… Participated in citywide Project Management Teams, Advisory Committees, Customer Service Representation meetings, and Technical Committees, also represented DDOT at Regional and Federal workshops. Developed new initiatives for accommodating special events in Downtown Detroit including, Lions Games, Thanksgiving Day Parade, and the yearly fireworks display. City advocate for Transit Oriented Development, Non-Motorized Investment, and Smart Growth; secured grants for implementation of bike racks on all DDOT coaches and system expansions.

Michigan Department of Transportation (MDOT) Southfield, MI **11/2004 to 7/2007**
Transportation Planner

During his time at MDOT, Wesley analyzed comments from the public in the M-1/M-102 Study and the I-75 Planning/Environmental Study. He participated in the non-motorized advisory committee to promote connectivity while continuing integration and promotion within new and existing developments, and analyzed traffic and pedestrian movement for M-85. He prepared and reviewed MDOT comments to Detroit's Downtown Transportation Master Plan, attended public meetings for coordination of prospective developments and informational meetings for M-1/M-102 and the Detroit River International Crossing (DRIC), and participated in preparation of RFP in consultant selection for combating the Emerald Ash Borer and reviewed and commented on submitted proposals. Wesley worked with designers to ensure road development projects implemented more prominent Greenways. He conducted, researched, and prepared Project Area Contamination Surveys (PACS). He informed the public and accepted feedback for developing the future goals and objectives of Michigan's long-range transportation plan and through intensive public participation, worked to develop a comprehensive plan for the community of Delray in southwestern Detroit.

Education:

Wayne State University, Detroit, MI
MURP Program, 2009

Western Michigan University Kalamazoo, MI
Bachelors Degree Geographic Information Systems/Urban and Regional Planning, 2001

Roger Kitchin, MBA, P.E., P.Eng.
Cost Estimate, Risk and Force Account Lead
August 2005 - present

In this role, Roger is responsible for: a) developing cost estimates for WSDOT's CEVP and FTA New Starts program, b) preparing and updating the risk management plan, and tracking and monitoring the effectiveness of risk response actions, c) developing and updating the Force Account Plan, and d) preparing and submitting reports to the Project Controls Manager.

Professional Experience:

Roger provides the leadership for developing capital cost estimates, and managing risks and force account work. He brings almost 40 years of diverse engineering and management experience to the team. In prior roles on this project, Roger developed a stormwater management plan that was well-received by NOAA Fisheries. He was also instrumental in developing an approach to the capital cost estimate that has proved flexible enough to meet the needs of FTA and FHWA.

Kitchin Associates, Vancouver, WA **2009 to present**
Principal

Responsible for all aspects of company operations, Roger is currently the Cost Estimate, Risk and Force Account Lead for the Columbia River Crossing Project.

CH2M HILL, Bellevue, WA **2001 to 2009**
Senior Water Resource Consultant

Responsible for water resource and utility aspects of a number of projects. Relevant projects include the drainage and utility relocation aspects of the Pine Street LRT Stub Tunnel for Sound Transit (located in a highly congested part of downtown Seattle) and QA/QC Manager for the final design of the $250 M Brightwater Wastewater Treatment Plant, and Stormwater. Roger was the Stormwater, Cost and Utilities Lead for the Columbia River Crossing Project.

Nanshe Consultants Ltd., Calgary, AB Canada **1998 to 2001**
President
Klohn Crippen Consultants Ltd., Calgary, AB, Canada & Indonesia **1990 to 1998**
Project Manager & Technical Lead
Saskatchewan Water Corporation, North Battleford, SK, Canada **1988 to 1990**
Manager, Northwest Region
Cochrane Lavalin Inc., Regina, SK, Canada **1984 to 1988**
Project Manager
Montreal Engineering Co. Ltd, Vancouver, BC & Calgary, AB, Canada **1977 to 1984**
Project Manager & Design Engineer

Responsible for numerous water resource projects in North America and overseas, three of which involved multi-billion dollar facilities. Work included the preparation of bid documents, and developing project cost estimates.

Yorkshire Water Authority, York, Great Britain **1975 to 1977**
Designer & Construction Supervisor
Sir William Halcrow & Partners, London, Cardiff & Rhayader, Great Britain **1972 to 1975**
Designer

Education:

University of Calgary, Calgary, Alberta, Canada
M.B.A., 1999
University of Birmingham, Birmingham, Great Britain
B.Sc., Civil Engineering, 1st Class Honors, 1972

Accreditations:

Registered as a professional engineer in Washington State, Nevada and Alberta (Canada)
Formerly registered as a professional engineer in British Columbia and Saskatchewan (Canada)
Member of the Project Management Institute and American Water Resources Association.

William W. Krick
Project Scheduler
2011-Present

The Project Scheduler has primary responsibility for Project schedule development and management for all phases of project delivery, including construction. Responsibilities include developing and maintaining the Critical Path Method (CPM) Master Project Schedule for the Program during the FEIS, Preliminary Engineering and Final Design; developing Critical Path Method (CPM) Detail Construction Schedules for specific project packages during Final Design; and reviewing and monitoring contractors' Critical Path Method (CPM) Schedules for specific construction and procurement contracts (identifies potential delays and assists in schedule-related claim reviews).

Professional Experience:

IDOT, Chicago, IL — **07/2009 – 03/2011**
High Speed Rail Project
Senior Project Controls Specialist
Milhouse Engineers, Inc.

WSDOT, Seattle, WA
SR 520 Floating Bridge Replacement
Senior Project Controls Specialist
Tar Whitman, Inc.

High Speed Rail: Senior Project Controls Specialist for the construction of the 284 mile High Speed Rail Project between Chicago, IL and St. Louis, MO. Built and maintained the Master Schedule for the Project. Monitored, analyzed and updated project costs, in accordance with the approved Work Breakdown Structure.

SR 520 Floating Bridge Replacement: Senior Project Controls Specialist for the replacement of the SR 520 Floating Bridge in Seattle. Monitored Earned Value, Cash Flow Analysis, developed Forecasts, Risk Analysis, associated reporting and scheduling. Schedules were progressed against the Approved Baseline Schedule in terms of Float and Costs.

BP Pipelines, Warrenville, IL — **01/2005 to 07/2009**
Operation Canadian Crude Project
Senior Project Controls Specialist
Faithful + Gould

Public Building Commission, Chicago, IL
Consultant Services
Senior Project Controls Engineer
Parsons, PTG

CTA, Chicago, IL
Reconstruction of 14 Rail Stations
Chief Construction Scheduler
FHP General Contractor

BP Pipelines: Senior Project Controls Specialist for the Operation Canadian Crude Project. Developed and monitored resource loaded schedules, tracked Earned Value, Cash Flow Analysis, and Forecasting. Also monitored contractor schedules, conducted Delay Claim Analysis and reviewed monthly schedule progress vs approved baseline schedules. Monitored Earned Value, Cash Flow Analysis, developed Forecasts, Risk Analysis, and associated reporting and scheduling.

Public Building Commission: Reviewed contractor's schedules for PBC construction projects. Conducted Time Impact Analysis, Cost Impact and Schedule analysis. Reviewed contractors Pay Applications, conducted field checks to verify progress, provide detailed cost reporting including earned value and cost. Also maintained over 40 Design Schedules within a Master Schedule.

CTA: Prepared and maintained the Master Schedule for the reconstruction of 14 Elevated Commuter Rail Stations. Developed weekly schedule updates, delay claims, time impact analysis, earned value and generated pay applications.

Illinois State Toll Highway Authority, Downers Grove, IL — **06/1992 to 01/2005**
General Consultant Services
Chief Construction Scheduler
AECOM/CTE Engineers

Developed the Master Schedule for the Ten Year $5.3 Billion Capital Plan for the 274 mile Illinois Tollway. Reviewed contractor schedules and conducted Time Impact Analysis and cost forecasts. Provided detail cost and schedule data to Tollway Management. Developed schedules for Open Road Tolling projects.

Education:

Indiana State University, Terre Haute, IN
Urban Planning, B.S. 1983

Ryan LeProwse, P.E.
Traffic Lead
2005 – Present

The Traffic Lead oversees traffic modeling and simulation. The Traffic Lead is responsible for coordinating with design engineering staff on different designs; developing traffic forecasts for different alternatives and different toll rates; and supporting agency staff with presentations, reports, findings, and public outreach events.

Professional Experience:

David Evans and Associates, Inc. **1999-present**

Mr. LeProwse has over nine years of experience as a senior transportation engineer and planner for David Evans and Associates, Inc. He has been involved with projects in several western states, including California, Colorado, Idaho, Montana, Oregon, and Washington. He has worked on corridor studies, transportation system plans, environmental impact studies, municipal and private development projects, and urban design plans. He has helped communities and regions to identify transportation needs using manual and computer model forecasts and developed projects and solutions to meet these needs. Mr. LeProwse is skilled in analyzing survey data to determine trip generation rates, modal splits, arrival/departure patterns, and intersection operations. He is also skilled in the design, calibration, and presentation of traffic simulation models including Synchro/SimTraffic.

Selected Transportation Project Experience:

I-205 Mill Plain to 18th Street, WSDOT, Vancouver, Washington
Mr. LeProwse was a transportation engineer for this project that involved adding a new access to I-205 north of Mill Plain Boulevard and south of SR 500 in Vancouver, Washington. In addition to the analysis his responsibilities included writing the transportation report, meetings, and presenting findings to staff and public.

Delta Park-Lombard Widening, ODOT, Portland, Oregon
Mr. LeProwse was the lead transportation analyst for this project that involved the widening of southbound I-5 to three lanes between Victory Boulevard and the Columbia Boulevard southbound on-ramp. Mr. LeProwse was responsible for all areas in support of the EIS for the Delta-Lombard project

Lake County Transportation System Plan, ODOT, Lake County, Oregon
Mr. LeProwse was the transportation analyst for the Lake County Transportation System Plan. Responsibilities included data collection, inventory existing transportation facilities, analyze existing and future roadway and intersection operations, assess accident and safety concerns, identifying improvements to existing rural and urban transportation infrastructure, and review of concurrence with governing state and local design and operational guidelines. Additional responsibilities included writing the technical report, creating report graphics, both of which could be understood by a wide and primarily non-technical audience. The transportation system plan addresses each mode of transportation and provides an overall implementation plan.

I-5 Trade Corridor Study, Phase II, ODOT & WSDOT, Portland, Oregon
Mr. LeProwse was the lead transportation analyst for this project. In addition to initial design screening his responsibilities included compiling reliable input data for the simulation model, calibrating the model to replicated known corridor operating conditions, applying the calibrated model to the preferred alternatives, and analyzing the simulation results.

Education:

University of Portland, Portland, Oregon
B.S. Civil Engineering, 1999

Accreditations:
Professional Engineer in Washington and Oregon

Casey Liles, MSCE, PE
Highway Engineering Manager
Interim Traffic Manager
August 2008 – present

The Highway Engineering Manager oversees all aspects of roadway and interchange engineering including stormwater, utilities, lighting, illumination, traffic control, traffic engineering and surveying. The Interim Traffic Manager oversees traffic engineering services including managing the team of transportation engineers (agency and consultant staff) responsible for developing travel demand forecasts, preparing traffic operations assessments, evaluating impacts and identifying solutions for automobile, truck, bicycle, and pedestrian mobility, and Preparing Final Design and construction documents for D-B-B project packages, and design oversight for D-B project packages.

Professional Experience:

WSDOT, Vancouver and Kelso, WA **9/01 to 8/08**
Area Engineer (4 years) and Assistant Area Engineer

Responsible for delivering the state design and construction program in planning, leading, organizing, and controlling the work performed by the office. Assure all assigned projects are completed within scope, on schedule, and within budget. Responsible for the continuous coordination of all elements of the project's development process with regional maintenance and support offices, HQ Bridge, HQ Hydraulics, HQ Project Development, FHWA, HQ Planning, permitting agencies, and consultants. Plan, monitor, and manage all location activities on all assigned projects including consultant work. Assure that all standards, policies, and procedures are followed during the project development phase. Represent WSDOT to other agencies, the public, and the media. Manage as many as 50 employees including technicians, engineers, and secretaries.

WSDOT, Vancouver and Olympia, WA **6/99 to 9/01**
Systems Planning Manager (1 year) and Assistant Systems Planning Engineer

Managed planning engineers in updating the 2003-2022 Washington Transportation Plan (WTP) and Highway Systems Plan (HSP). Coordinated and communicated with a wide variety of transportation partners including 1) internally: maintenance, program management, design, construction, environmental, agency executives; and 2) externally: cities, counties, regional transportation planning organizations, tribal nations, consultants, and the public. Recommended analysis procedures and conducted analysis for the implementation of highway planning legislation. Reviewed route development plans for technical accuracy and to insure alignment with department policy and the WTP and HSP update process. Used GIS technology to analyze, map, and communicate system level data and performance. Coordinated with six WSDOT regions to prepare and present the Highway System Plan document, briefing papers, technical information, and other presentation materials to the Commission and WSDOT executives.

WSDOT, Mercer Island and Bellevue, WA **5/93 to 6/99**
Project Inspector/Designer

Inspects and directs the inspection of roads, structures and related items; may serve as lead inspector, act as roving inspector, or may inspect specialized features such as major structures, illumination systems, electrical systems, signal systems or enclosed drainage systems; analyzes and interprets plans and specifications; stake out alignment. Performs responsible project development work such as: field reviews projects; evaluates alternate designs requiring detailed analysis of accident data, capacity studies, hydraulics, etc. Prepares and/or reviews project definitions, project summaries, hydraulics reports, environmental documents, design estimates, right of way plans, contract plans, specifications, estimates and special provisions using field data and standard design criteria for projects such as intersections, interchanges, grading, paving, resurfacing, and drainage.

Education:

University of Washington, Seattle, WA
Mater of Science in Civil Engineering, June 1999

Oregon Institute of Technology, Klamath Falls, OR
Bachelor of Science in Civil Engineering Technology, December 1992
Associate Degree in Public Works Technology, December 1992

Accreditations:
Licensed Professional Civil Engineer, WA #37393

Raymond Mabey
Program Manager
2011-Present

The Program Manager, supported by functional managers from WSDOT and ODOT, oversees Highway and Structures design in support of preparing project configurations and design oversight reviews for Design-Build delivery; preparing preliminary and final design, and construction documents for Design-Bid-Build delivery; Project Controls; and Business Services. The Program Manager directs all day-to-day activities needed for successful execution of these functions to Program budget and schedule.

Professional Experience:

ODOT, Office of Project Delivery – Bridge Delivery Unit; Salem, OR **2/05 to 5/11**
Tech Center/Area Manager

Managed the planning and delivery of Oregon Department of Transportation's (ODOT) $1.3 billion OTIA III State Bridge Delivery Program through a combined ODOT and consultant staff of over 160 people; provided engineering and strategic leadership support to program planning, integration, and administration.

ODOT, Office of Project Delivery – Bridge Delivery Unit; Salem, OR **4/04 to 1/05**
Senior Bridge Engineer

Directed all activities related to the area of technical expertise for the delivery of bridge repair and replacement projects included in the OTIA III State Bridge Delivery Program (Program) by determining policies and procedures, program priorities, and the utilization of resources.

ODOT, Technical Services Branch – Bridge Engineering Section; Salem, OR **10/03 to 12/03**
Interim Bridge Program Unit Manager

Responsible for the management of five direct reports, assignment of work, performance reviews, and work planning for the Bridge Program Unit (develops, implements, and operates ODOT's Bridge Management System).

ODOT, Technical Services Branch – Bridge Engineering Section; Salem, OR **2/97 to 3/04**
Senior Load Rating Engineer (& Load Rating Engineer)

Developed and implemented Load Rating Program goals and objectives, guidelines, procedures, and priorities in conformance with AASHTO and FHWA requirements. Assigned and reviewed load ratings conducted by Bridge Engineering Section staff and consultants; managed consultant contracts; assigned assembled and negotiated work orders and reviewed and approved invoices; prepared and monitored Load Rating Program budget of $1 million per biennium.

Education:

Oregon State University
Graduate Studies in Structural Engineering, all coursework completed for Master's degree, major in Structural Engineering, minor in Mathematics.

Oregon State University
Bachelor of Science Civil Engineering, major in Structural Engineering.

Accreditations:
Oregon Registered Professional Engineer (Civil), 19242

Mike Niemi, PE
Project Delivery Director
August 2011-Present

The Project Delivery Director is responsible for the project construction, including construction administration and materials procurement administration following the execution of construction or procurement contracts. The Project Delivery Director will participate in constructability reviews, construction schedule reviews, and construction documents reviews.

Professional Experience:

WSDOT, Vancouver and Olympia, WA **6/07 to 7/11**
Assistant State Construction Engineer - Bridge, Assistant Area Engineer

Approved contract changes. Reviewed change orders for conformance with stewardship agreement and Construction Manual. Provided construction inspection training. Supported regions and project engineers administering construction projects.

Hopper Dennis Jellison, Vancouver, WA **7/05 to 5/07**
Transportation Section Manager

Duties included preparing proposals for Transportation Design Projects including presentations to Local Agency staff and Elected Officials, managing Design Project Engineers and design staff, and performing quality control reviews on Contract Plans and Provisions.

Clark County, Vancouver, WA **8/04 to 7/05**
Construction Manager

Managed the development inspection team within the Department of Community Development. Responsible for inspection of all commercial and residential site work within the unincorporated County.

Selby Bridge Company, Vancouver, WA **9/99 to 7/04**
Project Manager

Duties included determining how the project should be staged and how work should be sequenced, scheduling and managing structures construction crews and subcontractors, preparing project submittals and correspondence, working with WSDOT project staff to resolve all project issues, and coordinating work with utilities and local agencies.

WSDOT, Vancouver, WA **6/79 to 9/99**
Various Positions:
Traffic Operations, Design, Construction, Program Management, and Plans Offices.

Education:

Washington State University, Vancouver, WA
Master of Science in Engineering Management

Washington State University, Pullman, WA
Bachelor of Science in Civil Engineering

Accreditations:
Professional Engineer in Washington

Meghan Oldfield, P.E.
Transit Design Manager
October 2009 - present

The Transit Design Manager oversees the day-to-day management of the production of light rail preliminary engineering and final design plans including producing construction documents for urban design and civil engineering of light rail facilities.

Professional Experience:

TriMet, Portland, Oregon **2003-Present**
I-205 Light Rail Resident Engineer

Performed and managed conceptual and preliminary design for 6.5-mile light rail extension along the I-205 freeway. Managed $163 million final design and construction contract for same project. Duties included working with project stakeholders, identifying and adhering to permit requirements, verifying and processing monthly progress payments, quality assurance, safety oversight, change order negotiation, public presentations, consultant and contractor oversight and management, project staff management, encouraging sustainable design and construction practices, and assisting Real Property and Community Relations staff.

TriMet, Portland, Oregon **2001-2003**
Interstate MAX Light Rail Field Engineer

Performed field engineer duties for construction of $350 million, 5.5-mile Interstate MAX light rail. Duties included civil, bridge and trackway construction inspection, progress payment verification, project management assistance, safety certification compilation, consultant oversight and management, and cost estimate preparation. Also responsible for communicating with partner agencies, consultants, and contractors for project coordination, monitoring contractor QA/QC program and providing on-site engineering solutions for construction conflicts.

Tetra Tech/KCM Consulting Engineers, Portland, Oregon **1999-2001**
Project Engineer

Assisted Project Managers in the following tasks:

- Technical Specification Preparation and Wastewater Facility Master Plan Preparation
- Watershed Hydrologic and Hydraulic Modeling
- Roadway Design and ODOT Maintenance Facility Design
- Phase I Environmental Site Assessments
- Prepared Master Plan and Preliminary Engineering Report for Industrial Development

Completed work on multiple ongoing projects. Responsible for communicating with clients, design subcontractors, and contractors for project coordination. Performed construction submittal review. Presented technical material at public meetings.

Gove Associates Consulting Engineers, Kalamazoo, Michigan **1997-1998**
Project Engineer

Assisted Project Managers in the following tasks:

- Storm Sewer Design and Construction Inspection
- Wastewater Treatment Plant and Sanitary Sewer Design
- WWTP Operation and Maintenance Manual Preparation
- Roadway Design and Construction Inspection

Education:

University of Maine
M.S. Civil & Environmental Engineering, 1996

Michigan Technological University
B.S. Environmental Engineering, 1994

Accreditations:
Professional Engineer in Oregon

Scott Ouchi
Safety Manager
2007-Present

The Safety Manager provides reviews of contractors' safety plans including implementation and formulates safety plans and training for CRC's health and safety program. Scott is responsible for reviewing contractor safety programs for all activities pertaining to the CRC Program and ensuring compliance; developing and implementing appropriate project team safety program and training; and coordinating with TriMet's Director of Safety and Security in managing the day-to-day implementation of all safety activities identified in the CRC's Safety and Security Management Plan.

Professional Experience:

WSDOT, Vancouver, Washington **12/07 to Present**
Assistant Safety & Health Manager

Serves as the Assistant to the Regional Safety & Health Manager . Primary responsibility is to ensure that all required and high priority safety training is delivered to region staff. Manages, directs, plans, schedules designs and conducts classes to ensure employee training program is current. Assist with training schedules and evaluation of part-time safety & health instructors. Ensure federal and state compliance with facilities, machinery, equipment, construction and maintenance projects.

Fred Meyer Clackamas Food Distribution Center, Clackamas, Oregon **7/06 to 12/07**
Safety Manager

Managed Safety and Risk Management within the distribution center. Facilitated Behavior Base Safety and Process Safety Management processes. Responsible for safety training, education, and compliance. Maintained records of all safety training and safety training material, coordinated light-duty and return-to-work program, and conducted accident investigations on all accidents/injuries. Safety Committee representative/advisor. Developed and maintained on-site inspection program to comply with corporate policies and state and federal regulations.

Fred Meyer Stores, Portland, Oregon **10/98 to 7/06**
Field Safety Specialist (2/06-7/06 & 10/98-7/04)

Trained store personnel on reduction of workers' compensation and general liability claims/dollars, performed accident investigations, inspected/reviewed assigned locations, and conducted training regarding corporate policy, state and federal regulations, and other compliance issues. Provided support to all locations regarding safety issues and rolled out Behavior Based Safety process to assigned stores.

Safety Program Specialist (7/04-2/06)

Assisted with developing and implementing corporate loss control/accident prevention programs and training, assisted with OSHA audit/citations and reporting and investigation of hospitalizations/fatalities. Served as the corporate web Content Manager which included development and maintenance of the Risk Management website. Served as a technical resource for the main office Safety Committee, Wardens, and Searchers, and provided support to all locations regarding safety and incident reporting.

Education:

Mt Hood Community College, Gresham, Oregon
Associate of Applied Science – Environmental Science and Safety

University of Nevada Las Vegas, Las Vegas, Nevada
Bachelor of Science – Fitness and Sports Management

Mike Palazzo
Interim Specialty Services Manager
2011-Present

The Specialty Services Manager, supported by functional managers from WSDOT and ODOT, is responsible for Right of Way, Agreements/IGA/Invoices, Utilities, and Access Management services. This position also oversees the implementation of the Real Estate Acquisition Management Plan.

Professional Experience:

WSDOT Headquarters, Olympia, WA **12/08 to Present**
Director, Real Estate Services

State Legislature has designated WSDOT as the lead agency for real estate matters and these positions jointly establish statewide policy and procedures for real estate related activities, not only for WSDOT, but for all other state agencies and local governments. I assure the policies and procedures are efficient, consistent, and in compliance with state and federal laws, regulations, and guidelines, as well as providing technical guidance for all WSDOT right of way programs statewide.

WSDOT Headquarters, Olympia, WA **09/08 to 12/08**
Acting Director, Real Estate Services

WSDOT Headquarters, Olympia, WA **2005 to 2008**
Deputy Director, Real Estate Services

The Deputy Director plans, directs and administers all programs of the Real Estate Services Office in the absence of the Director, Real Estate Services.

WSDOT, Southwest Region, Vancouver, WA **2001 to 2005**
Real Estate Services Manager

Hired in August of 2001, I spent the first several months absorbing policies and practices, getting up to speed with past, present, and future projects, and meeting the employees in the region, at headquarters, and across the state. From January 2002 through 2005, based on parcels acquired per agent per month, SW Region RES productivity was the highest in the state while delivering all right of way certifications in time to meet all project scheduled advertising dates.

SELF EMPLOYED **1978 to 2001**
Real Estate Broker and Property Manager

Residential and commercial real estate sales, acquisitions, and property management. Started a property management program in 1979 and managed all aspects of multiple projects on a daily basis. This involved hundreds of properties worth millions of dollars, working with owners and tenants. I wrote and/or reviewed sales/purchase/lease documents, while analyzing and satisfying the varying and demanding needs of buyers, sellers, tenants, and owners in residential and commercial projects. I marketed properties for sale or lease, assessed and projected the physical needs of managed properties, and hired and supervised electricians, plumbers, roofers, general contractors, landscapers, and other personnel. No complaints and no lawsuits.

Education:

Aloha High School; Aloha, OR
Graduated 1973

Information Technology Institute; Portland, OR
Post-Graduate Applied Information Technology (AIT) Program, 2001

Laura Peterson, P.E.
Deputy Structures Manager
September 2008 - present

Laura assists the Structures Manager in the day-to-day management of the Structures Team for all CRC bridges and structures. This includes oversight and review of development for all bridges and structures ensuring conformity to design standards and policies, uniformity and constructability of design details, cost-effectiveness of structural types, adherence to architectural and environmental goals, technical review of structural plans and specifications. Laura also coordinates CEVP and VE workshops for the project.

Professional Experience:

WSDOT Southwest Region, Vancouver, Washington **4/06 to 8/08**
Assistant Constructability Engineer

Provided guidance to design teams from scoping through construction to improve constructability, biddability, and maintainability of projects, as well as to increase cost effectiveness.

Parsons Brinckerhoff, Portland, Oregon **4/96 to 11/01 and**
Structural Engineer **12/02 to 4/06**

Project Management/Design
Acted as project manager and/or lead designer for final design of numerous bridges, retaining walls, deck overlays, bridge retrofits, as well as building frames, foundations and appurtenances. Clients included WSDOT, ODOT, FHWA, Tri-Met, City of Vancouver, City of Portland, Caltrans, and ITD.

Construction Support
Provided design support during the construction of various light rail facilities, bridges and buildings. Included in these projects were the Tri-Met Westside and Interstate MAX light rail lines, the Eugene Transit Center, the Mill Plain Extension project, as well as numerous steel and prestressed girder bridges.

Inspection/Load Rating
Acted as lead bridge inspector on over 200 steel, concrete and timber bridges throughout the western United States. Performed load ratings on numerous bridges encompassing a wide variety of structure types.

WSDOT Bridge and Structures Office, Olympia, Washington **7/91 to 9/95**
Bridge Inspection Engineer, Bridge Design Engineer

Bridge Preservation Office
Responsible for administering the state bridge load rating program. Oversaw the development of WSDOT's *BRIDG for Windows* rating software, and managed ratings for a significant portion of the state's bridge inventory. Performed structural inspections on hundreds of state and local agency bridges.

Bridge Design Office
Acted as lead designer for final design of new and widened concrete bridges, and standard bridge barriers.

Education:

Washington State University, Pullman, Washington
M.S. Civil Engineering, May 1991
B.S. Civil Engineering, December 1989

Accreditations:
Professional Engineer, Washington, 1995
Professional Engineer, Oregon, 1997

Anne Pressentin
Communications Outreach Manager
2006 – Present

The Communications Outreach Manager oversees the community outreach efforts to the diverse stakeholders in both states. The Communications Outreach Manager is responsible for directing external outreach efforts for the Program including community relations effort focused on residents, businesses, and neighborhoods along the alignment; monitoring work plans for all Communications Outreach activities to ensure performance to approved scope, schedule and budget; coordinating participation by special interest groups in final design activities and staffing advisory groups; and coordinating with CRC Management and WSDOT/ODOT executives.

Professional Experience:

Oregon Department of Transportation, Corvallis, Oregon **2008-present**
Interstate 5: OR-34 to Santiam River

Manage project to develop and populate two databases to support I-5 improvement project near Albany. The creation of stakeholder and cultural/natural resources databases requires stakeholder identification, interviews, literature reviews and oversight of architecture development. A technical memorandum will be created on the functions and operations of the databases.

City of Portland, Independent Police Review Division, Portland, Oregon **2008-present**
Strategic Communications Plan

Interview city staff and stakeholders, assess communications methods, develop strategic communications plan for the purpose of improving relations and transparency between the agency and stakeholders, Citizen Review Committee and the Portland Police Bureau.

Clark County Public Works, Vancouver, Washington **2008**
10th Avenue Improvement

Directed effort to interview community members on a proposed road improvement project. Oversaw development of interview questions, project fact sheet and summary report.

Oregon Department of Fish and Wildlife, Salem, Oregon **1999-2006**
Public communications and media relations

Served as statewide and regional spokesperson for Oregon's fish and wildlife management agency. Created and implemented communications plans and news releases related wildlife policy, public health risks, recreation and viewing opportunities and public input initiatives. Increased level of respect for agency communications among journalists and stakeholders during tenure.

Idaho Division of Environmental Quality, Coeur d'Alene, Idaho **1991-96, 1997-98**
Public involvement and outreach

Education:

Indiana University, Bloomington, Indiana
M.P.A./M.S. Public Administration and Environmental Science, 1998

University of Washington, Seattle, Washington
B.A. Communications and Political Science, 1990

Devin R. Reck, E.I.T.
Assistant Highway Manager
October 2008 – present

The Assistant Highway Manager assists the Highway Engineering Manager in the day-to-day management of the Highway Team and manages utilities work. Responsibilities include providing leadership and day-to-day coordination and management of the Highway Engineering Team completing the FEIS, appraisals and acquisition, Final Design and construction documents for D-B-B project packages, and design oversight for D-B project packages; and ensuring documents meet applicable standards and policies for WSDOT, ODOT, FHWA, and FTA and support the delivery schedule for letting contracts.

Professional Experience:

WSDOT, Kelso, Washington **2/08 to 10/08**
Assistant Project Engineer

Assisted in the oversight, management and delivery of multiple design and construction projects in the Kelso Area Engineering Office with emphasis of on-time and on-budget. Assisted in the overall supervision of all engineers, technicians, surveyors, and office staff who worked on the design, development, and administration of the design and construction projects. Assisted in the coordination with public utilities, public agencies, and contractors.

WSDOT, Kelso, Washington **4/05 to 2/08**
Transportation Engineer III

Managed multiple design and construction projects and supervised a team of engineers and technicians in the Kelso Area Engineering Office. Utilized a thorough working knowledge of agency policies, standards and procedures as well as engineering principles, methods, practices and judgment in selecting and adapting techniques to solve transportation problems. Represented the Department at public meetings, open houses, to local agencies, contractors, consultants, etc., for specific projects. Was called on to assign, train and evaluate engineers and technicians.

WSDOT, Kelso, Washington **9/03 to 4/05**
Transportation Engineer II

Served as lead design engineer and construction inspector on several projects within the Kelso Area Engineering Office. Utilized independent application of standard engineering procedures and techniques to accomplish a wide variety of work in the office, laboratory, and field. Provided assistance when problems were encountered and reviewed completed work.

WSDOT, Kelso, Washington **3/02 to 9/03**
Transportation Engineer I

Performed a variety of beginning level transportation engineering work.

Education:

Walla Walla College, College Place, Washington
Bachelor of Science in Engineering, 2002

Accreditations:
Engineer-in-Training in Washington

Lynn Rust, PE
Project Delivery Engineering Manager
August 2011 - present

Lynn is responsible for supporting and assisting the Project Delivery Director in packaging and procuring contracts and delivering the Columbia River Crossing Project construction program.

Professional Experience:

World Travel **12/10 to 08/11**
Leave of Absence

Traveled to Singapore, Malaysia, Thailand, Vietnam, India, Turkey, Greece, Italy, France, Monaco, and Spain. Gained exposure to worldwide transit systems and roadway infrastructure.

WSDOT, Vancouver, WA Columbia River Crossing Project **08/05 to 12/10**
Project Support Manager, Assistant Deputy Director, Engineering Manager/Project Controls

Started in the CRC office as engineering manager responsible for roadway and structures engineering, and project controls. As the project evolved transit also reported to this position. Eventually roadway and structures were transferred to two separate managers. Responsible for project controls and environmental as Project Support Manager.

WSDOT, Vancouver, Longview, WA **05/93 to 08/05**
SW Region Construction Support Engineer, Assistant Area Engineer, Acting Area Engineer, Office Engineer, Traffic Analyst, Engineering Records and Construction Administration, Design Engineer

Provided support to four construction offices. Duties included change order approvals for contracts and advice on contract and specification interpretation. The SW Region Material's lab, SW Region Construction trainer, and the Documentation Engineer reported to this position. Supervised 30 employees in a Construction/Design office administering a $45 million I-5 widening project. Supervision of construction/design office including designers, inspectors and survey crews. Projects included paving rehabilitation, bridge painting, including the Lewis & Clark Bridge, various rock fall projects, and small improvement projects. Developed and implemented traffic signal timing plans. Performed special traffic studies. Reviewed and processed change orders. Monitored funding for SW Region construction contracts. Advised field office staff on specification interpretations. Completed final PS&E packages to proceed to advertising and award.

WSDOT, Wenatchee, WA **04/91 to 05/93**
Design Engineer, Inspector, Surveyor, Materials Tester

Prepared Plans, Specifications and Estimate package from design report utilizing CEAL. Substituted as Party Chief as needed. Inspected all aspects of construction projects including materials testing.

FHWA, WFL, Various **07/87 to 07/90**
Assistant PE, Inspector, Party Chief, Computer Programmer

Ensured compliance with contract specifications. Responsible for contract management through contract modifications, documentation and contractor payment. Party Chief on realignment project. Wrote code and implemented time and attendance program as computer programmer. Projects in Vancouver, Port Angeles, Darrington, Mt. Baker, WA, Calder, Garden Valley, ID.

Education:

South Dakota State University, Brookings, SD
Bachelor of Science in Mathematics, 1986
Minor in Computer Science, 1986

Accreditations:

1998 Professional Engineer License, Washington State
1997 Professional Engineer License, Oregon State

Harry Saporta
Safety and Security Lead
2011-Present

The Safety and Security Lead oversees the development and implementation of the Safety and Security Management Plan. Responsibilities include coordinating the system safety effort with systems engineering, civil engineering, quality assurance, and integration and testing functions; reviewing system safety tasks, prioritizing safety risks, and recommending engineering, procedural, or other changes necessary to reduce the safety risk to an acceptable level; participating in all major activities to review and accept the delivered project, system, sub-system or component; and providing safety assessments and a safety certification packages, with any exceptions documented.

Professional Experience:

Good Harbor Consulting, Abu Dhabi, UAE **04/09 to Present**
Surface Transport Practice Area Manager, Department of Transport

Mr. Saporta leads the Surface Transport Safety and Security Project where he is supporting the development of the safety and security master plan for all modes of surface transportation for the Department of Transport in the Emirate of Abu Dhabi. This includes light rail, water borne, metro, hazardous cargo transport, regional rail and bus transportation.

Parsons Brinckerhoff
Senior Engineering Manager

Mr. Saporta held the role of senior engineering manager and was responsible for the development of system safety and security plans and programs; emergency management plans and procedures; and hazard analyses and security assessments for the identification, evaluation, and control of safety and security risks for several light, heavy, and regional rail projects.

Federal Transit Authority (FTA)
Office of Safety and Security Director

Mr. Saporta held the position of Director and was responsible for developing safety and security programs to meet the safety, homeland security and transit security, and emergency management needs of the public transportation industry throughout the United States. He successfully managed threat and risk assessments and security and emergency management technical assistance program for the Top 50 Transit Agencies for bus and rail public transportation systems throughout the United States.

Tri-County Metropolitan Transportation District of Oregon
System Safety Programs Manager

Mr. Saporta was responsible for developing and administering a comprehensive rail and bus safety and emergency management program for the transportation district. In this capacity, Mr. Saporta was responsible for all safety activities for the Banfield Light Rail Project and three rail extensions.

Education:

California Polytechnic State University, USA
Bachelor of Science, Transportation Engineering

Tulane University, USA
Masters of Public Health (MPH), Safety and Health Management

Accreditations:

Registered Professional Safety Engineer in California
Certified Safety Professional

Steven M. Siegel
Financial Institutional Structures Manager
2006 - present

Mr. Siegel leads the financial and institutional structures team responsible for preparation of the CRC Finance Plan and required Full Funding Grant Agreement (FFGA) documentation. This includes preparing the Capital and Operations Finance Plan Report for New Starts submittals for PE and Final Design; and preparing financial plan materials to incorporate into the FEIS. Assists in preparing application materials for federal discretionary grant opportunities.

Professional Experience:

Siegel Consulting, Portland, Oregon **1988 to Present**
President

Practice focuses on project and program funding, managing public and public-private infrastructure and development projects, land use, and development. Clients have included TriMet, Portland Development Commission, Washington County, Oregon, Oregon Department of Transportation, Washington State Department of Transportation, Metro, Port of Hood River, Portland Trail Blazers, and Intel.

As Regional Policy Coordination consultant for TriMet, Siegel Consulting has analyzed reauthorization bills, prepared proposed language and back-up materials required by Congressional delegation and staff. Prepared analyses of FTA proposals regarding New Starts evaluation processes, developed regional consensuses on project priorities and prepared state legislation for transportation funding initiatives. As financial consultant to Metro, assisted in preparing the Regional Transportation Plan.

Steven Siegel, Attorney at Law **1999 to 2007**
Attorney

Was licensed to practice in Oregon; currently on inactive status. Practice focused land use and real estate development. Clients included Downtown Development Group, Singer Properties, Gerding-Edlen Development, Carroll Development, Harsch Development, City Center Parking, and others.

Portland Development Commission, Portland, Oregon **1987 to 1988**
Special Director of Convention Center Development

Served as Project Manager for the Convention Center project, including designing and implementing the finance plan for this project. Also, on behalf of City of Portland, managed negotiations with Portland Trail Blazers on development of the Rose Garden, including designing and implementing the finance plan for the City's share of this project. Also assigned to Mayor Clark's office to facilitate Portland convention business.

Metro, Portland, Oregon **1977 to 1986**
Director of Planning, (final position)

Oversaw department of thirty planners responsible for regional transportation, urban growth boundary and regional land use, regional infrastructure programs, and development of the Oregon Convention Center.

Education:

Polytechnic Institute of Brooklyn, Brooklyn, NY
Bachelor of Science in Industrial Engineering (Operations Research) -- 1968

State University of New York at Buffalo, Buffalo, NY
Master of Science in Industrial Engineering (Operations Research) -- 1972

Lewis and Clark College of Law, Portland, Oregon
Juris Doctor -- 1999

Kris Strickler, PE
Deputy Project Director
2011-Present

As the Deputy Project Director, Kris is responsible for directing the project development and implementation programs for the Bi-state Columbia River Crossing Project and the affiliated projects in concert with the Project Director. Responsibilities include program management, oversight from scoping through completion of construction, developing policies, providing policy direction to the staff and teams of consultants, developing partnerships with agencies and local jurisdictions - as well as Bi-state jurisdiction partnerships – and ensuring the coordination of communication strategies. Kris is also responsible for oversight of the environmental phase of the project, plans preparation, specifications, and construction activities. Kris manages the engineering staff and directly influences work of that staff, as well as consultant staff. Responsible for providing support, identifying issues, anticipating potential consequences, and advising the Project Director and project teams in matters concerning design, construction, maintenance, environmental permitting, traffic, and local support services.

Professional Experience

HDR Engineering **2010 to 2011**
Senior Project Manager

Responsible for management of transportation projects, oversight of transportation staff, and providing strategic insight for project development. A sample list of project oversight includes:

- West Vancouver Freight Access Project, Port of Vancouver Washington
- CR712 Value Engineering Study, Florida Department of Transportation
- US12 Freeway Conversion Project, Wisconsin Department of Transportation, Value Planning Study
- Highway to Highway Connection (H2H), Anchorage, Alaska Department of Transportation & Public Facilities
- Sterling Highway Milepost 45 to 60, Supplemental Environmental Impact Statement and Preliminary Engineering, Cooper Landing, Alaska Department of Transportation & Public Facilities

Columbia River Crossing Project (WSDOT) **2004 to 2010**
Deputy Project Director

Responsible for directing the project development and implementation programs for the Bi-state Columbia River Crossing Project and the affiliated projects in concert with the Project Director. Responsibilities include program management, oversight from scoping through completion of construction, developing policies, providing policy direction to the staff and teams of consultants, developing partnerships with agencies and local jurisdictions - as well as Bi-state jurisdiction partnerships – and ensuring the coordination of communication strategies. Responsible for oversight of the environmental phase of the project, plans preparation, specifications, & construction activities.

WSDOT, Vancouver, Washington **2002 to 2004**
Assistant Area Engineer

Responsible for oversight, management, and delivery of design and construction projects in the Clark County area of Southwest Washington. Managed engineers and technicians with the intent of delivering the department's program, managed several projects at one time with emphasis of on-time, on-budget delivery.

WSDOT, Vancouver, Washington **2001 to 2002**
Design and Construction Team Leader

Served as Design Team Leader/Chief Inspector for multiple projects within the Clark County area of Southwest Washington. Managed teams of professionals, both agency and consultant, with intent on delivery of the projects assigned. Some project management duties were: utilizing the MPD process for projects, preparing and monitoring schedules, monitoring project funding, maintaining project files, coordinating with support groups and local agencies, preparing and presenting public meetings, reviewing contract plans and special provisions, preparing final records, generating as-builts, preparing change orders, and negotiating with contractors.

Education

Washington State University
Bachelor of Science in Civil Engineering - 1998

Professional License
Professional Civil Engineer – State of Washington #39922

Robert D. Turton
Principal Bridge Engineer / Columbia River Bridge Lead
July 2008 – Present

Rob serves as the principal bridge engineer on the CRC Project providing technical leadership for the consultant team and consultation to the DOT management team for bridges and structures. He is responsible for overseeing the structural design criteria and developing preliminary and final designs for all bridges and structures to agency design standards and policies including meeting architectural and environmental goals. Additionally, he is responsible for overseeing, the day-to-day development of the preliminary and final designs for the Columbia River Bridge.

Professional Experience:

HDR Engineering, Inc., Phoenix, AZ **1997 to present**
Senior Vice President / Corporate Director for Bridges and Structures

Responsible for the development and quality of HDR's national and international bridge engineering program. Also serves as principal engineer on large and complex projects.

- Gravina Island Access, Ketchikan, AK – Principal Bridge Engineer for EIS
- Hoover Dam Bypass, Boulder City, NV – Delivery Manager and Principal Bridge Engineer for design and construction
- Reno Transportation Rail Access Corridor, Reno, NV – Structural Oversight Engineer for UPRR for design and construction
- San Francisco-Oakland Bay Bridge East Bay Crossing, Oakland, CA – Bridge Oversight Engineer for US Government
- Golden Gate Bridge, Seismic Retrofit of the Main Span, San Francisco, CA – Technical Advisory Lead and Quality Control Lead

Cannon & Associates, Inc. Consulting Engineers, Tucson & Phoenix, AZ **1981 to 1997**
Vice President / Chief Bridge Engineer

- Navajo Bridge, Grand Canyon National Park, AZ – Principal Bridge Engineer for design and construction
- Atlantic Boulevard Mixmaster, Commerce, CA – Principal Bridge Engineer for design
- Cedar Canyon Arch Bridge, Showlow, AZ – Consulting Engineer to the contractor for construction engineering services
- Cross-Taxiway Tango Underpass, Phoenix, AZ – Project Manager and Principal Bridge Engineer for design and construction.
- Kino Boulevard Overcrossing, Tucson, AZ – Project Manager and Principal Bridge Engineer for design and construction

Holben & Martin Consulting Structural Engineers, Tucson, AZ **1977 to 1981**
Structural Engineer

- Marriott Hotel, Albuquerque, NM – Structural Engineer for design
- Pishim Dam Batch Plant, Iran – Structural Engineer for design
- Tucson International Airport Expansion, Tucson, AZ – Structural Engineer for design and construction

Magma Copper Company, Tucson & San Manuel, AZ **1974 to 1977**
Design Engineer

- SMARCO Railroad Trestle – Structural Engineer for design and construction
- 75-degree Underground Cross-Cut Station – Structural Engineer for design
- High Velocity Flue Support and Balloon Flue Conveyor System – Project Manager and Structural Engineer

Education:

University of Arizona, Tucson, AZ
MS Civil Engineering (Structures), 1987
Boston University, Boston, MA
BS Aerospace Engineering, 1973

Accreditations:

PE – Colorado; CE – Alaska, California, Utah, Nevada; SE – Arizona, New Mexico, Utah, Hawaii

Chester Werts, P.E., S.E.
Senior Bridge Design Engineer
September 2008 – Present

Chester serves as project engineer for the Columbia River bridge design. He has over twenty years of bridge engineering experience in Washington and California. He has been involved with bridge design of concrete box girder, post-tensioned box girder, precast girder, precast spliced girder, precast and cast-in-place segmental box girder, steel girder, concrete segmental arch and cable stay construction, as well as construction engineering for temporary works.

Professional Experience:

Hoover Dam Bypass Bridge
Boulder City, Nevada

Chester served as a bridge engineer for the Colorado River Bridge design during the type selection and final design of the longest span concrete arch in North America at 1,060 feet. Responsibilities during the type selection phase included assembling global structural analysis models and performing site-specific multimode response spectrum analyses, as well as site specific wind loads and other service loads. Responsibilities during the final design phase included global structural analysis, design of the spandrel columns (hollow rectangular concrete columns that included 2 alternatives, precast post-tensioned segmental and reinforced concrete), time dependent analysis and design of the cast-in-place concrete segmental arch and design of the precast concrete arch strut cover panels. In addition, Mr. Werts served as a design checker for the steel arch struts, abutments and tie-back walls. During construction, Mr. Werts provided full engineering support to confirm changes to the arch construction process utilizing time-dependent analysis.

San Francisco-Oakland Bay Bridge
San Francisco, California

Chester served design check team project manager for the skyway viaduct, coordinating with the different sub-consultants, consolidating design and drawing comments and assembling the design check calculations package. In addition, he performed a comprehensive check on the transverse design of the concrete precast segmental superstructure and reviewed typical section drawings, transverse post-tension drawings, cantilever tendon drawings and precast panel drawings.

Jamuma Multipurpose Bridge
Bangladesh

Chester served as a bridge design engineer for this precast segmental box girder bridge across the Jamuna River, 4.8 km long with 47 main spans. The superstructure of the bridge is pre-cast segments erected by the balanced cantilever method. He performed analysis and design of the pile foundations and column substructures, as well as assisting with project administration.

Crooked River Bridge
Redmond, Oregon

Chester served as a bridge engineer for the design of the concrete box girder superstructure on the Crooked River Gorge Bridge. The Crooked River Bridge is a concrete arch built using cast-in-place cantilever segmental construction and temporary stays from temporary towers at either end of the bridge.

Education:

Master of Science, Structural Engineering, Stanford University
Bachelor of Science, Civil Engineering, San Jose State University

Accreditations:

Professional Engineer in California, Michigan, and Washington
Profession Structural Engineer in Hawaii and Washington

Michael Albert Williams
Business Services Manager
Interim Project Controls Manager
September 2008 – present

The Business Services Manager oversees Document Control, Policy & Procurement and PMP, Information Technology, Change Management, Public Disclosure, and Administrative Support services. The Project Controls Manager oversees all professional staff managing cost control, estimating, risk management, scheduling, and documentation for New Starts submittals for PE and Final Design.

Professional Experience:

WSDOT, Vancouver WA **6/2007 to 9/2008**
Engineering Support Manager

Provides administration and leadership for the SW Region Engineering Support Office which all of the Region's construction program projects are developed and processed into contracts. Ensures that all SW Region design projects meet WSDOT Design Manual, local agency, state and federal requirements, laws, and guidelines. This also includes local agency and private development projects on the state highway network. Provides specialty group (Traffic Engineering, Cadastral Engineering, Hydraulics) contract documents for inclusion into all region project office PS&E projects. Provides regional assistance, guidance and training for all elements of project development to the project engineering offices design teams. Responsible for coordinating and conducting all SW Region's FHWA Stewardship Reviews, and associated responses. Responsible for the processing of Limited Access breaks and revisions on established Limited Access facilities.

WSDOT, Vancouver WA **1/2005 to 5/2007**
Manager, Planning and Program Management

As the Regional Manager for Planning and Program Management office my responsibilities required oversight of all regional planning and program management activities. This included interpreting and applying department programming goals and policies, and developing a region construction program that is cost effective and deliverable within financial and workforce constraints. This position ensures that the projects making up the program are accurately scoped and constructible. Additional responsibilities included continuous monitoring of the ongoing program to stay within financial and workforce allocations. Oversight for the strategic and tactical implementation and application of policies for Southwest Region planning. Developed regional and local policies on bi-state, regional, and local board and committees. Develop state policy on WDSOT statewide task forces. Interpret state and federal policy to local jurisdictions, local development community, and citizens. Represented WSDOT on bi-state task forces.

Education:

Oregon Institute of Technology, Klamath Falls, OR
B.S., Civil Engineering Technology, 1990

Everett Community College, Everett, WA
A.T.A., Civil Engineering Technology, 1983

Central Washington University, Ellensburg, WA
Construction Management, 34 credits, 1979

Accreditations:

Registered Professional Engineer - Oregon #48119PE & Washington #36353
Management Training Program - Colorado State University 1995

Heather Wills
Environmental Manager
June 2005 – present

The Environmental Manager oversees the day-to-day preparation of the National Environmental Policy Act (NEPA) documents including FEIS and Record of Decision (ROD). The Environmental Manager is responsible for overseeing the environmental Team, including development of the FEIS, ROD and supporting technical documents; overseeing the environmental staffing, budget, and workload planning; managing Environmental activities to approved scope, schedule and budget; overseeing preparation of environmental permit applications, negotiations with regulatory agencies, and environmental mitigation monitoring; and maintaining the Mitigation Measures matrix and manages compliance with commitments in the NEPA documents and federal, state, and local environmental permits.

Professional Experience:

Oregon Department of Transportation, Portland, OR **11/2004 to 6/2005**
Permits/Water Quality Specialist

Coordinated successful environmental permitting of transportation projects for Region 1 of the Oregon Department of Transportation.

URS Corporation, Portland, OR and Anchorage, AK **9/2003 to 11/2004**
Environmental Scientist/Planner

Worked on several small and large transportation projects in both Portland and Anchorage Alaska. In Anchorage, I was responsible for managing portions of large transportation and development projects for various government agencies, Including Federal Highway Administration and Bureau of Indian Affairs.

United States Geological Survey, Portland, OR **5/2001 to 9/2003**
Physical Scientist

Key member on the Oregon Division National Water Quality Assessment Program for the Willamette Basin. Led the Urban Land Use Gradient study site selection process, where water quality and habitat conditions within streams were evaluated and correlated with percent urban land use in the watershed.

Washington Department of Transportation, Olympia, WA **8/2000 to 7/2001**
Environmental Planning Associate

Placed at WSDOT in the Environmental Services Office through the Environmental Careers Organization. Assisted various staff with developing agency wide NEPA and mitigation policy.

Education:

Portland State University, Portland Oregon
Masters of Urban and Regional Planning – Environmental Specialization, 2003

Portland State University, Portland Oregon
Bachelor or Science – Environmental Science, 1999

Steve Witter
Transit Manager
October 2008 – present

The Transit Manager oversees all activities of the Transit Team including track and systems engineering, parking garages and station design, LRT vehicles procurement, signals and communications, and equipment installation and testing.

Professional Experience:

TriMet, Portland, OR

2007 to 2008

Project Director WES Commuter Rail

Oversaw the successful completion of commuter rail project, a 14.7 mile line connecting four cities with five stations. Responsibilities include overseeing construction field office team, design team, real property acquisitions and permit approvals. Responsible for compliance with all local permitting requirements including ODOT Road and Rail divisions. Maintained relationships with all four city administrations and negotiated challenging relationships with affected property owners and neighborhoods.

Design Manager WES Commuter Rail **2005 to 2007**

Responsible for managing prime consultant and sub-consultants for all aspects of the civil engineering, architecture, landscape architecture, mechanical and electrical engineering . Managed the combined design contracts totaling $4 million dollars. Working closely with the Cities of Tigard and Tualatin in integration of station design betterments to meet their goals for developing regional town centers.

Designer Interstate-205 Light Rail Preliminary Engineering **2004 to 2005**

Architectural design lead for stations, operations buildings, 500 space transit center parking structure. Developed Baseline Project Requirements for Design Build Contract Negotiations. Coordinated Station site design with various engineering disciplines, worked with local jurisdictions, neighborhood groups and development agencies. Coordinate operational requirements for adjacent Transit Oriented Developments.

Engineer, Design Development **2001 to 2004**

Office Engineer - Interstate Max, responsible for administration of all contract documentation with an emphasis on the cost control and change order management aspects of the Overhead Electrification, Signals and Communications, and Central Control Software contracts. Engineer for Interstate Max Signage and Graphic and Transit Tracker next train information display installation projects. Coordinated design and construction activity with Contractor, Tri-Met Operations and Maintenance of Way, Jurisdictions, and General Public. Prepared Contract Specifications and Documents.

Education:

University of Oregon, Eugene, OR
Master of Architecture – 1996

Portland State University, Portland, OR
BS Fine Art 1990

Carolyn (Lyn) D. Wylder, PE
Consultant Project Manager
February 2010 – Present

The Consultant Project Manager assists the Project Management Team and the functional managers in the day-to-day coordination and management of the Consultant staff, monitors work plans for all Consultant staff activities to ensure performance to approved scope, schedule and budget, and oversees the administrative support for assigning and scheduling work, monitoring progress, and managing change on approved task works of the Consultant staff.

Professional Experience:

David Evans and Associates, Inc, Portland, OR **7/00 to current**
Vice President and Principle Project Manager, serving on DEA (previously Executive Office Manager, Portland)

Program Manager for DEA's Project Management Oversight Contract with the US Department of Transportation's Federal Transit Administration. Ensures project progressing on time, maintains budget, and in accordance with approved project management plans. Oversight of World Trade Center's PATH Station, Fulton Street Transit Center, South Ferry Station. Construction estimate $4.5 billion+. PMO services include review of activities of implementing transit agency, designers and contractors, ensuring sufficient technical capacity to implement projects and monitor NEPA compliance, budget, schedule,quality management. Perform risk assessment.

Principle In Charge - Central Phoenix East Valley Light Rail – Line Section 2 for Valley Metro Rail and Parsons Brinckerhoff Quade and Douglas, Phoenix, Arizona. Civil engineering leader of Line Section 2, including 3 miles of new light rail track. Included civil, roadway, stations, traffic, track, drainage, utilities, architectural, structural, and landscaping design discipline work. With DEA's bid document quality control and accuracy, four construction bids within 10% range, and low bidder was lower than engineer's work estimate.

Project Manager, Interstate MAX Line Section 10C Design-Build, for TriMet, Portland, Oregon. Responsible for overall design of Line Section 10C of Interstate MAX project, a $30 million, 8,000-foot-long light rail extension. This section of Interstate MAX included two stations, both of which included park-and- ride facilities and a 3,800-foot elevated double track structure. DEA designed all structural and civil facilities related to Line Section 10C, including road relocations, parking lots, light rail track, bridge and drainage facilities.

Expert Review Panel - SR 520 Bridge & Alaskan Way Viaduct Projects, King County, Washington. One of eight Expert Review Panel appointees selected by the Governor of WA to review the finance and implementation plans for the Alaskan Way Viaduct and Seawall Replacement and SR 520 Bridge Replacement and HOV projects. Reviewed projects' purpose and needs; alternatives being considered; costs for these projects; funding available to build these projects; and construction implementation plans.

Metropolitan Atlanta Rapid Transit Authority (MARTA), Atlanta, Georgia **8/93 to 7/00**
Executive Vice President of Operations and Development, Assistant General Manager for Transit System Development

North Line Extension - Canterbury Junction to Dunwoody Station, MARTA, Atlanta, Georgia - Responsible for design, construction, schedule, cost adherence, and overall quality of 7.3-mile extension of MARTA's regional rail system, including three stations, 5,400-foot-long aerial structure, and a 3,000-foot-long cut-and-cover tunnel. Line opened weeks early in time for 1996 Olympic Games, $10 million under budget. Re-sequenced design, real estate acquisition, critical material procurement, and construction activities.

North Line Extension - Dunwoody Station to North Springs Station, MARTA, Atlanta, Georgia - Responsible for design, construction, schedule, cost adherence, and overall quality of project. 2.3-mile project included two stations, 4,000 feet of cut-and-cover tunnel, and two parking decks (1,300 cars and 2,300 cars, respectively). Became Executive VP of Business Management in 1999.

Massachusetts Bay Transportation Authority, Boston, Massachusetts **2/92 to 8/93**
Assistant General Manager for Design, Construction and Real Estate

Major projects included: Old Colony Railroad, South Station Phase II, reconstruction of several contact rail stations and a major yard.

Metropolitan Atlanta Rapid Transit Authority, Atlanta, Georgia **1982 to 1992**
Project Manager, Manager of Maintenance – Operations, Chief Civil Engineer

Education:

Georgia Institute of Technology, Atlanta, Georgia
MSCE 1977; BSCE 1975

Accreditations:

Professional Civil Engineer, Georgia (12214), 1980; Massachusetts (37111), 1993; New York (082699-1), 2003; Washington (43885), 2007; Oregon (79802PE), 2007; Professional Engineer, Tennessee (00107078), 2001