



ENGINEERING • PLANNING • ENVIRONMENTAL SCIENCES

*Design Project Management*

*Planning and Environmental  
Project Management*

*Construction Management*

*Project Controls, Scheduling,  
and Contracts*

*Human Resources  
and Participation*

*Alternative Project Delivery*



**Parametrix**

## Program Management

Parametrix helps clients develop and manage complex infrastructure projects. We can take an entire program from concept through the environmental processes and permits; financing and funding; design, procurement and construction; and start-up and operations. We partner with our clients and often work as an extension of their staff to effectively manage teams, schedule, and budget through all project phases to deliver the highest quality project. Parametrix has Program Management Institute-certified program management professionals with experience setting up and managing large, multi-organization project and program teams. We believe that excellent stakeholder and team communication, attention to business and technical risk, and efficient project delivery mechanisms are keys to an effective program management organization.

## Project Examples

### **Hood Canal Bridge Management Support Organization – WA**

Parametrix is providing a broad range of project and construction management services for the Hood Canal Bridge replacement project, a decade-long project to replace aging components of the 40-year-old bridge, a 13,000-foot-long floating marine structure. Parametrix's assignment began shortly after the State of Washington decided to terminate construction of a bridge component construction facility in Port Angeles due to discovery of a historic Native American village at the site. This decision created the need for major changes in the construction approach, including identification of alternative sites to construct and outfit pontoons and anchors, and reorganizing the project team. We guided the Washington State Department of Transportation (WSDOT) through the development of a new and improved teaming approach to manage the project. Our approach creates a blended WSDOT and consultant team, uses an interactive staffing projection model, implements performance standards, suggests more efficient ways to use WSDOT staff resources, and promotes new ways of doing business that can be transferred to other projects.

Parametrix prepared an assessment of management support needs and options for the project, working with project participants to identify the planning, design, business management, construction management, and public involvement skills and tasks needed to support the successful completion of the project. Parametrix is providing staff and technical support, filling a significant portion of the project's project and construction management skills needs with full or part-time staff.

### **Valley County Engineering Services – Valley County, ID**

As the County Engineer, Parametrix prepares roadway designs, traffic studies, intersection designs, drainage designs, transportation and environmental planning, and structural engineering services for various transportation projects across Valley County. Parametrix has established and maintains the County's capital improvement program and was responsible for rewriting road development agreements with the County, requiring developers to pay an equitable share of new road construction costs. We also perform traffic impact analyses and development reviews for the County's Planning and Zoning and Road departments.

## SR 520 Bridge Replacement and HOV Corridor Program General Engineering Consultant – King County, WA

As a member of the General Engineering Consultant (GEC) team and under individual on-call engineering management services task orders, Parametrix is responsible for various strategic management positions for the delivery of the SR 520 Bridge Replacement and HOV Corridor Program. The bridge is an important one-and-a-half-mile long link across Lake Washington, connecting Seattle and various eastside communities. The GEC team is charged with advancing the environmental strategy and engineering design and also completing the SR 520 Supplemental Draft and Final EIS documents. Based on the Governor's selection of the six-lane alternative (consisting of two general purpose and one HOV/transit lane in each direction), the GEC is focusing on advanced design and strategic project delivery of the structures within the SR 520 corridor that are storm and seismically vulnerable. In addition, the GEC is responsible for site selection, alternatives analysis, and environmental clearance of an environmentally controversial facility to fabricate up to 55 concrete pontoons for the bridge. Assuming completion of the Final EIS and acquisition of a Record of Decision, construction is estimated to begin as early as 2011.

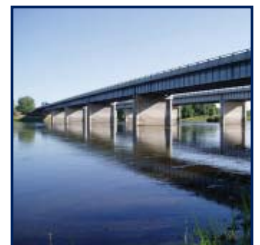
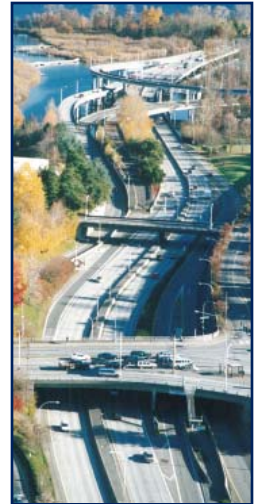
## Idaho Transportation Department Rest Area Program – ID

Faced with a resolution to deliver 10 new rest areas and rehabilitate 22 more rest areas across the state, the Idaho Transportation Department (ITD) needed a new approach to project delivery. Parametrix worked with ITD to provide program management services including system planning, schematic design and environmental compliance, and design and construction oversight using independent consultant and construction services contracts. More than just restrooms, the rest areas are intended to showcase the natural beauty and cultural heritage of Idaho's diverse regions. Some unique aspects of the program included:

- Statewide rest area design guidelines and standards specifications
- Statewide traveler service network and interpretive plan
- Alternative delivery methods to expedite project delivery
- Multi-agency and/or private sector partnerships
- Environmental streamlining to expedite program delivery and reduce costs

## Oregon Statewide Bridge Improvement Program – OR

Parametrix conducts annual program evaluation and improvement workshops for this \$1.3-billion program. This project involves implementing an innovative environmental streamlining process that is being analyzed by legislators and ODOT management for implementation on other programs. We worked with project staff —ODOT Chief of Staff, department managers, and others—to improve the design and implementation of the new process. Our work included interviews, collection of issue areas, and facilitation of workshops where we brainstorm solutions and develop implementation strategies that improve the project approach and deliverables.



### OFFICE LOCATIONS

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Denver

**Idaho**  
Boise

**New Mexico**  
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Las Cruces

**Oregon**  
Albany  
Portland

**Washington**  
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