



Port of Siuslaw Infrastructure Improvements



Grants Pass 4.5 MG Reservoir



Shasta Dam Cableway Removal

**T**echnical leadership for the design and construction of heavy civil projects has been a key service sector for OBEC Consulting Engineers since 1966.

Complementing our surveying, civil, and structural engineering capabilities, OBEC's talented staff has extensive hands-on experience with the design and construction of new heavy civil projects; and modification, expansion, and repair of existing structures for public- and private-sector clients.

OBEC's competence delivering difficult and unique project solutions is attributable to the innovative and cost-conscious operating approach we utilize in our civil and structural engineering practice.

Our participation with the owners and contractors in project phasing and staged construction methodologies; cost and constructability analyses; and field engineering services involving construction contract management, submittal review, inspection, and professional surveying are among the diverse services upon which OBEC clients can rely.

Well-known for design expertise on highway, pedestrian, and other specialty bridges, OBEC also specializes in delivery of many types of heavy civil projects, including:

- Dams and appurtenances
- Power/water/wastewater plants
- Liquid retaining tanks and reservoirs
- Water intake structures
- Canals, turnouts, and siphons
- Elevated and underground pipelines
- Landslide repairs
- Retaining structures
- Hydraulic structures
- Docks, marinas, wharfs, and boardwalks
- Fish passage and screens
- Culverts
- Historic structure restoration
- Industrial pump stations & electrical buildings

Our clients benefit from OBEC's experience in temporary structures engineering such as shoring and cofferdams; and the innovative application of specialty techniques such as the use of prestressing and post-tensioning of concrete, piling, drilled shafts, ground and rock anchors, tie backs, and soil nails. Combining innovative ideas and technologies routinely results in the client satisfaction for which we are known.

We work with clients using a variety of project development and delivery models, including:

- Design-Bid-Build (DBB)
- Design-Build (DB)
- Construction Manager/General Contractor (CM/GC)

Our commitment to client service assures our project owners of a superior project schedule, cost performance, and the highest quality results.

We look forward to the opportunity to present our qualifications and help you achieve success for your bridge and structure projects.

For more information and to see how we can help you, call Brian Nicholas at 541.683.6090, or visit us on the Web.

[www.obec.com](http://www.obec.com)



**Lake Oswego** • 5000 Meadows Road, Suite 420, Lake Oswego, OR 97035 • 503.620.6103

**Salem** • 2235 Mission Street SE, Suite 100, Salem, OR 97302 • 503.589.4100

**Eugene** • 920 Country Club Road, Suite 100B, Eugene, OR 97401 • 541.683.6090

**Medford** • 831 O'Hare Parkway, Medford, OR 97504 • 541.774.5590



The following timeline demonstrates OBEC's more than 40-year history of producing high-quality heavy civil and structural projects.

**ONGOING**

**Port of Brookings Harbor Improvements**

Brookings, Oregon

**State Radio Project**  
Statewide, Oregon

**5th Street Water Reservoir Upgrades**  
Lebanon, Oregon

**Garden Home Reservoir Replacement**  
Tualatin, Oregon

**Sweet Creek Retaining Walls**  
Lane County, Oregon



**2009**



**Port of Siuslaw Dock Replacement**

Florence, Oregon

**Port of North Bend Harbor Avenue Boardwalk**

North Bend, Oregon

**I-5: McKenzie River – Goshen Retaining Walls**  
Lane County, Oregon

**College Hill Reservoir Roof Rehabilitation**  
Eugene, Oregon

**2008**

**Burnside Bridge Main Bascule Span Rehabilitation**

Portland, Oregon

**Robert Duff Water Treatment Plant Intake Fish Screen Addition**  
Medford, Oregon

**Shasta Dam Cableway Removal**  
Redding, California



**Hayden Bridge Filtration Plant Expansion (Phase 2)**

Eugene, Oregon

**Waltersville Fish Return Channel Inlet Control Structure**  
Waltersville, Oregon

**Willamette Substation Control Building**  
Eugene, Oregon

**Summer Creek Retaining Walls & Bridge**  
Eugene, Oregon

**2007**

**2006**

**Mountainview Reservoirs**

Oregon City, Oregon

**South "A" Bridge Load-Rating, Structural, and Hydraulic Design**  
Springfield, Oregon

**St. Johns (Willamette River) Bridge Rehabilitation Design**  
Portland, Oregon

**Fairmont Reservoir Roof Evaluation**  
Salem, Oregon



**Trail Bridge Dam Spillway Hydraulic Barrier**

Lane County, Oregon

**Rogue River (Gold Beach) Bridge Rehabilitation**  
Gold Beach, Oregon

**Phillip Harris Bridge Cofferdam Design**  
Eugene, Oregon

**2005**

**2004**

**NE 185th Avenue UPRR Undercrossing Bridge Modification**

Gresham, Oregon

**Carmen Smith Hydroelectric Project**  
Lane County, Oregon

**Leaburg Powerhouse Substation Retaining Wall**  
Lane County, Oregon



**2003**

**2002**

**Tower Crane Foundation for Cougar Reservoir Temperature Control Tower**  
Lane County, Oregon

**Bolon Island Pump Station**  
Reedsport, Oregon



**Lone Pine Pumping Station No. 1**

Medford, Oregon

**Leaburg Power Canal and Waltersville Power Canal Inlet**  
Lane County, Oregon

**Leaburg Dam Gate Raising and Rehabilitation**  
Lane County, Oregon

**2001**

**2000**

**Grants Pass 4.5 MG Reservoir and Water Line**

Grants Pass, Oregon

**Bear Creek Dam Removal**  
Medford, Oregon

**Grants Pass (Rogue River) Stress-Ribbon Pedestrian Bridge**  
*(included attached sewer and water lines)*  
Medford, Oregon



**Hayden Bridge Filtration Plant Expansion (Phase 1)**

Eugene, Oregon

**Wildish (McKenzie River) Aggregate Ore Suspension Bridge**  
Eugene, Oregon

**DeFazio (Willamette River) Suspension Pedestrian Bridge**  
Eugene, Oregon

**City View 800 Reservoir**  
Eugene, Oregon