

# Robert Griesinger CPE

## Experience + Project List

Project Manager / Senior Project Estimator

Business Development Manager/ Preconstruction Services

My civil engineering and construction management skills were acquired during my almost four decades of construction experience. My five years of international estimating experience was acquired while working at Stantec, in their mining group. I started my career as a dispatcher for a civil engineering contractor in 1983 and progressed to a small business owner of a heavy-equipment company in 2005. As a Preconstruction Services Manager, and a Business Development Manager, I was responsible for procuring a variety of jobs within six western states. My responsibilities included negotiating prices, organizing bids, preparing cost reports, GMP proposals, coordinating design-build projects, developing schedules and cash flow forecasts, and networking with customers, engineers, subcontractors, and suppliers. This allows me insight and perspective from all levels of operations. I have significant experience in estimating and project management in heavy civil, pump stations, highways, airports, dams, landfills, demolition, concrete structures, underground, water treatment facilities, and surface and underground mining. I have managed up to 150 people.

### EDUCATION

BS, Business Management, University of Phoenix,  
Phoenix, Arizona,  
CPE Tunneling and Mining

### SOFTWARE EXPERIENCE

#### **Software Experience**

*4 years of experience utilizing the InEight estimating system.*

*20 years of experience utilizing the Hard Dollar estimating system in different capacities. This experience includes the integration with P6, MS Project, EPS, and RS Means.*

*4 years of experience utilizing the HCSS estimating System.*

*5 years of experience utilizing the Sharp Soft estimating System.*

*3 years of experience utilizing the Timberline estimating system.*

*Multiple Years utilizing Excel as an estimating System*

*Proficient in the use of P6, Agtek, OST, and Bluebeam.*

*Proficient in the use of Microsoft applications including Word*

*Excel, PowerPoint, MS Project*

### Memberships

SAVE International, ASPE, AACE

Nevada Mining Association Member

### PROJECT EXPERIENCE

#### **Workplace/Office**

Administrative Experience for Stantec's Tempe Mining Office (Senior Project Estimator)

*Completed the Policies and procedures manual for the Tempe mining, estimating, and scheduling group, including the written workflow descriptions for the estimating and scheduling departments. Coordinated, and implemented the Hard Dollar estimating system. Built Hard Dollar estimating data bases and created templates for the estimating group. Implemented and integrated the estimating system with P6 scheduling software.*

Projects titled with (\*) represent projects the were completed under hard bid estimating procedures.

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## **Mining—Surface**

Fisher Quarry Backfill\*, Camas, Washington (Senior Project Estimator)

*Prepared construction / development schedules and cost estimates associated with quarry backfill and reclamation operations and material handling. Established project controls procedures for scheduling and estimating.*

*Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

Pinto Valley Mine Project Phase 2 Selection Study, Miami, Arizona (Senior Project Estimator)

*Developed cost estimate and schedule for an infrastructure upgrade and comparative studies of various equipment options. Produced Class 5 and Class 2 Estimates.*

Pinto Valley Mine Project Phase 2 Identification Study, Miami, Arizona (Senior Project Estimator)

*Developed conceptual cost estimating for an infrastructure upgrade to accommodate Cat 793 trucking operations and a comparative study of the cost and schedule.*

Lewisville Quarry Tailings Dam Repair\*, Lewisville, Washington (Senior Project Estimator)

*Prepared construction / development schedules and cost estimates associated with tailings dam repair and material handling. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

Coyote Springs Overburden Removal, and Materials Mining Phase 1\*, Boardman, Oregon (Senior Project Estimator)

*Prepared construction / development schedules and cost estimates associated with overburden removal and excavation of raw materials for processing operations. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

Sierrita Mine headwall #4\*, Green Valley, Arizona (Senior Project Estimator, and Business Development Manager)

*Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out. Also maintained the schedule, payroll, weekly job costing, tracking of all change orders, billing, and scheduling of crews and equipment. The project was for the removal and replacement of headwall #5 at the mine site, including new liner, drainage structures, and HDPE pipeline.*

Cortez Hills Phase 1 High Wall Excavation, Crescent Valley, Nevada (Senior Project Estimator, and Business Development Manager)

*Prepared construction / development schedules and cost estimates associated with mine development operations and material handling. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

Pinto Valley Mine Project PEP, Miami, Arizona (Senior Project Estimator)

*Developed cost estimate and schedule for an infrastructure upgrade and selection of various equipment options. Produced Class 2 and Class 1 Estimates. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out. Assisted with document control.*

Coyote Springs Overburden Removal, and Materials Mining Phase 2\*, Boardman, Oregon (Senior Project Estimator)

*Prepared construction / development schedules and cost estimates associated with overburden removal and excavation of raw materials for processing operations. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

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Camby Overburden Removal Phase 1\*, Camby, Oregon (Senior Project Estimator)

*Prepared construction / development schedules and cost estimates associated with overburden removal. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

Camby Overburden Removal Phase 2\*, Camby, Oregon (Senior Project Estimator)

*Prepared construction / development schedules and cost estimates associated with overburden removal. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

## **Mining—Underground**

Grasberg Block Cave Main Pump Stations, Tembagapura, Papua Province / Irian Jaya, Indonesia (Senior Project Estimator)

*Updated existing cost estimates and develop new class 3 estimate for the Drainage Level, the Main Lower Pump Stations, and the Main Upper Pump Stations. Project also included estimates for associated facilities and miles of piping.*

Grasberg Block Cave Fixed Facilities Detail Engineering, Tembagapura, Papua Province / Irian Jaya, Indonesia (Senior Project Estimator)

*Updated existing cost estimates and develop new class 3 estimate for the AB level, Haulage Level, and the Extraction level facilities. Project included main shaft access, personnel station area, material handling drift, rubber tire access, crane bay area, ancillary facilities complex, car shop, rail system maintenance and specialty storage, locomotive shop, material handling system, mine offices, and lube fuel station.*

Cerro Los Gatos Project Conceptual-Level Mine Plan and Design Economic Study, Mexico (Senior Project Estimator)

*Prepared construction/development schedules and cost estimates associated with mine development and operation. Prepared life of mine expenditure schedules and Completed truck haulage study.*

Platreef Underground Prefeasibility Study (Capital Cost Review), South Africa (Senior Project Estimator)

*Reviewed capital costs to identify any non-critical costs included in the underground prefeasibility estimates. Overall capital cost review included revising the development schedule to defer all ongoing development until necessary. Revising the mine air cooling cost spread entailed spreading capital costs to show phased construction of the mine air cooling plant.*

Grasberg Rail Haulage, Definition Study, Tembagapura, Papua Province / Irian Jaya, Indonesia (Senior Project Estimator)

*Developed cost estimate and schedule for the project controls on the first five years of the rail haulage project, Reviewed owner development schedules, contractor schedules, and supplier schedules for continuity and interface issues, Prepared a master schedule for the construction of the project.*

Platreef Underground Prefeasibility Study, South Africa (Senior Project Estimator)

*Developed a prefeasibility study for a 11,000-tonne per day (tpd) underground operation. Prepared construction / development schedules and cost estimates associated with mine development and operation. Prepared life of mine expenditure schedules with rebuild and replacement schedules for equipment.*

Cortez Hills Underground Expansion Feasibility Study, Crescent Valley, Nevada (Senior Project Estimator)

*Developed a feasibility study for a 2500-tonne per day (tpd) underground operation. Prepared construction / development schedules and cost estimates associated with mine development and operation. Prepared life of mine expenditure schedules with rebuild and replacement schedules for equipment.*

Grasberg Rail Haulage Engineering Services, Tembagapura, Papua Province / Irian Jaya, Indonesia (Senior Project Estimator)

*Updated cost estimates and schedules for project controls on the first Phase of the rail haulage project, Reviewed owner development schedules, contractor schedules, and supplier schedules for continuity and interface issues, Update master schedule and AFEs for the construction of the project.*

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Cortez Hills Underground Expansion Prefeasibility Study, Crescent Valley, Nevada  
(Senior Project Estimator)

*Developed a prefeasibility study for a 2500-tonne per day (tpd) underground operation, prepared construction/development schedules, and cost estimates associated with mine development and operation. Prepared life of mine expenditure schedules with rebuild and replacement schedules for equipment.*

Penasquito Mine, Zacatecas, Mexico  
(Senior Project Estimator)

*Helped to develop economic evaluation of block caving mining, developed capital and operating cost estimates for life of mine, and provided schedule.*

Tunnel boring and underground conveyor system, with infrastructure for mine support, in the Andes Mountains, Copiapo, Atacama Chile  
(Senior Project Estimator)

*Develop cost estimates and schedules for project controls on the first Phase of the project, Reviewed owner development schedules, contractor schedules, and supplier schedules for continuity and interface issues, Update master schedule for the construction of the project. Develop cost estimates for tunnel boring, shaft construction, access declines, ventilation systems, pipeline, and Conveyor system. The project Costs \$8 to 9 Billion (10-year construction window)*

## Highways

Highway 90 from Sprague to south of Four Lakes Pavement Repair\*, Spokane, WA (Senior Project Estimator)

*Responsible for complete price generation for the project, project buy out, assignment of the project manager, issuance of subcontracts, purchase orders, and review and approval of change orders. The project was for the pavement improvements of 15 miles of highway and included 120,000 tons of asphalt produced on site with the use of portable asphalt plant. Drilling blasting and manufacturing the asphalt aggregates on site. New Guard railing and drainage structures. The project Costs \$12.9 million*

Highway 84 Pavement Repair\*, Arlington, OR  
(Senior Project Estimator)

*Responsible for complete price generation for the project, project buy out, assignment of the project manager, issuance of subcontracts, purchase orders, and review and approval of change orders. The project was for the pavement improvements of 14 miles of highway and included 160,000 tons of asphalt produced on site with the use of portable asphalt plant. Drilling blasting and manufacturing the asphalt aggregates on site. New Guard railing and drainage structures. The project Costs \$15.6 million*

Highway 87 Construction at San Jose Airport\*, San Jose, California (Senior Project Manager)

*Responsible for maintaining schedules, billings, and attending weekly planning and scheduling meetings. The project included the construction of embankments, MSE walls, bike paths, bridge abutments, and temporary retaining walls. The project Costs \$18.6 million*

Construction of Highway 20\*, Lake County, California (Chief Estimator, and Business Development Manager)

*Responsible for complete price generation for the project, project buy out, assignment of the project manager, issuance of subcontracts, purchase orders, and review and approval of change orders. The project was for the widening of five miles of highway and included a 50-foot-high cast in place concrete retaining wall. The project Costs \$13.0 million*

ADOT Highway 17 Interchange\*, Cordes Junction, Arizona (Senior Project Manager)

*Responsible for the coordination of the proposal and analysis of the earthwork balance, finish grading, traffic control, and environmental issues for this Construction Manager at Risk project. The project consisted of the reconfiguration of the interchange and construction of eight bridges with 1.0 million yards of excavation. The project Costs \$11 million*

Highway 85 interchange at Saratoga Avenue\*, San Jose, California (Junior Project Estimator)

*Duties were to complete price generation for the project issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. The project involved the construction of earth embankments, bridge abutments, surcharges, and grade separation for the Southern Pacific Railroad. The project Costs \$18.0 million*

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Highway 85 interchange at Cottle Road\*, San Jose, California (Junior Project Estimator)

*Duties were to complete price generation for the project. The project involved the construction of earth embankments, bridge abutments, and surcharges. The project Costs \$6.5 million*

## Roadways with Rail and Bridges

174<sup>th</sup> and Bronson Box culvert and Road improvements, Washington County, OR (Senior Project Estimator)

*Responsible for complete price generation for the project, project buy out, assignment of the project manager, issuance of subcontracts, purchase orders, and review and approval of change orders. The project included the construction of embankments, MSE walls, bike paths, bridge abutments, and temporary retaining walls. Sanitary Sewer siphon and Box culvert. The project Costs \$3.0 million*

Port of Long Beach, Terminal Island Wye Track Realignment Design Review, Long Beach, CA (Senior Project Estimator)

*Duties were to provide professional review of PS&E for the Terminal Island Wye Track Realignment Project in the City of Long Beach, Harbor District to renovate and expand the rail infrastructure on Terminal Island by implementing a second lead track and staging tracks to improve rail operation efficiency throughout out the Port rail network. Project Cost \$30 million*

Los Angeles County Metropolitan Transportation Authority (Metro), Van Nuys Blvd Grade Separation, Los Angeles, CA (Senior Project Estimator)

*Served as the Senior Cost Estimator for a grade separation of two Metrolink tracks at Van Nuys Blvd. Van Nuys Blvd will be depressed and pass under two aerial bridge structures, including one that will support the Metrolink rail guideways and one that will support San Fernando Road Bridge. This alternative is represented by alternate 2A, 2B, and 2C. Alternative 3 was based on a depressed Metrolink rail guideway. This alternative is represented by alternate 2A, 2B, and 2C. Alternative 3 was based on a depressed Metrolink rail guideway. The project had 4 Alternatives Costs ranging from \$270 - \$400 million*

Los Angeles County Metropolitan Transportation Authority (Metro), North Main Street Crossing, Los Angeles, CA (Senior Project Estimator)

*Provided cost estimation for the North Main Street Quite Zone Class 5 Estimate railroad crossing for pedestrians. \$1 Million*

Los Angeles County Metropolitan Transportation Authority (Metro), Palmdale Blvd Grade Separation, Los Angeles, CA. (Senior Project Estimator)

*Served as the Senior Cost Estimator for a grade separation of two Metrolink tracks and two Freight Rail tracks at Palmdale Blvd. Palmdale Blvd will be depressed and pass under three aerial bridge structures two that will support the rail guideways, and one the 6th Street E Bridge. This project had 4 alternates with Cost ranging from \$135.0 Million to \$200.0 Million*

Los Angeles County Metropolitan Transportation Authority (Metro), Newhall Ave Grade Separation, Los Angeles, CA (Senior Project Estimator)

*Provided cost estimation for the grade separation of two Metrolink tracks at Newhall Ave. Newhall Ave and Railroad will be lowered and pass under all rail lines. There is minimal work on 4th street. The estimate was a Rough-order-of-Magnitude estimate of design with drawings at approximately 15% Design Level. The Estimate is presented in PSRE Format. This estimate is in a format consistent with LA Metro standards for grade separation cost estimates. The cost categories are separated into subtotals for Roadway improvements, Structures, Railroad construction, and temporary shoofly construction. Estimated Railroad amount \$600 Million.*

North/ South Rail Yard Reconstruction\*, Columbia Ridge Arlington, Oregon (Senior Project Estimator, and Preconstruction Services Manager)

*Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. This project included the reconstruction of the asphalt base rock and cement treated base, and 2 R/R crossings and track improvements. Project Cost \$6 million*

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## **Airports & Aviation**

San Jose International Airport Runup Project, San Jose, California (Senior Project Estimator)

*As a Senior Project Estimator prepared detailed cost estimate, including Blast Deflector modifications Access roads, Fencing, security systems, lighting, preparation of an extensive earthwork management plan, and environmental protection. The Run-Up Pavement project involves the removal and reconstruction of existing asphalt shoulder pavement area, and 3 inch overlay (approximately 40,000 sq. ft. total area) and re-striping to support a new run-up area located in the southwest quadrant of the Airport's campus. Cost \$1 Million*

San Jose International Airport Southwest Quadrant, San Jose, California (Senior Project Estimator)

*As a Senior Project Estimator prepared detailed cost estimate, including Blast Deflector modifications Access roads, Fencing, security systems, lighting, preparation of an extensive earthwork management plan, and environmental protection. This Project will rehabilitate approximately 33,000 square feet of existing deteriorated asphalt pavement that is at the end of its lifespan, located in the southwest quadrant of the Airport, directly north of the proposed General Aviation Run-up Pad Relocation project identified in the RIM study. The Project improvements include minor modifications to the drainage, lighting, striping, and signage. The existing asphalt would be replaced with new asphalt concrete pavement to support Airport operations. The new asphalt concrete apron would be designed to withstand the weight of Airport Emergency vehicles operations and will provide a quicker response time throughout the Air Operations Area. Cost \$3 Million*

LAWA Runway 25L Repair, Los Angeles, CA

(Senior Project Estimator)

*Senior Cost Estimator for 30% and 90% design phase estimates for the complete replacement of Runway 7R-25L at Los Angeles International Airport, including but not limited to P-501 Portland cement concrete for the keel section, P-401 asphalt concrete outside of the keel section, connector taxiways and tie-ins, airfield lighting and striping all in accordance with Federal Aviation Administration (FAA) Advisory Circulars applicable to LAX and ADG VI aircraft. Project Cost \$31.0 million*

Taxi lanes "H" and "M" Phase 4, San Francisco International Airport, San Francisco, CA (Senior Project Estimator)

*As a Senior Project Estimator prepared detailed cost estimate, including Blast Deflector modifications Access roads, Fencing, security systems, lighting, preparation of an extensive earthwork management plan, and environmental protection. Project Cost \$36 million*

Byron Airport\*, Contra Costa County, California (Senior Project Estimator/Senior Project Manager)

*Responsible for complete price generation for the project, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, acted as the Sr. Project Manager with the duties of maintaining schedules, billings, and attending weekly planning and scheduling meetings. The project included the earthwork for new runways, 96-inch welded steel water line, and dewatering system. Project Cost \$7 million*

St. George Airport Earthwork\*, St. George, Utah (Senior Project Manager)

*Responsible for the completion of the project and closeout. Duties included preparation of documents for claims resolution. The project consisted of four million cubic yards of excavation and embankment for new runways. Project Cost \$10 million*

## **Oil & Gas**

Chevron Clean Fuels Project\*, Martinez, California (Senior Project Estimator / Senior Project Manager)

*Responsible for complete price generation for the project, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders. As the Sr. Project Manager, the duties included maintaining schedules and billings and attending weekly planning and scheduling meetings. The project included the demolition of existing facilities, earthwork for new roadways, underground utilities, lined ponds, and dewatering systems. Project Cost \$6 million*

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## Attractions, Arts & Entertainment

New Shark Tank Exhibit - Monterey Bay Aquarium\*, California (Senior Project Estimator)

*Estimated and project managed this project from start to completion. The work included demolition of the pier, removal of bunker oil contaminated sand, excavation in hard granite and tidal conditions. It was a high visibility project with many environmental concerns. Duties were to complete price generation for the project, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. Project Cost \$18 million*

## Dams & Levees

Prado Dam\*, Corona, California  
(Senior Project Estimator, and Business Development Manager)

*Prepared a detailed cost estimate, including dewatering systems, using well points and diversions, preparation of an extensive earthwork management plan, and environmental protection. The project consisted of mining and manufacturing (from on-site materials) three different zone materials, and the placement of large riprap facing, topsoil, and construction of four different types of floodwalls. Project Cost \$20 million*

Lewisville Quarry Tailings Dam Repair\*, Lewisville, Washington (Senior Project Estimator)

*Prepared construction / development schedules and cost estimates associated with tailings dam repair and material handling. Established project controls procedures for scheduling and estimating. Responsible for complete price generation for the project, project buyout, issuance of subcontracts, purchase orders, and project close out.*

## Healthcare

Foundation Mat Slab for New VA Hospital\*, Palo Alto, California (Senior Project Estimator/Project Manager)

*Coordinated the logistics for two 10,000 cubic yard concrete pours that were continuous. They took place one month apart and required the coordination of seven different concrete plants and management of 150 staff. Additional duties were to complete price generation for the project, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. Project Cost \$8 million*

## Schools, Parks & Recreation

Brookwood elementary school\*, Hillsboro, Oregon  
(Senior Project Estimator)

*Estimated and project managed this project from start to completion. Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. The project included demolition of existing school and replacement with new buildings, new sports fields, three parking lots, and all site utilities. Project Cost \$3 million*

Las Banjos High School Sports Complex\*, Las Banjos, California (Chief Estimator, and Business Development Manager)

*Estimated and project managed this project from start to completion. Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. The project included four new baseball fields, two soccer fields, football field, and three parking lots. Project Cost \$7 million*

A Place to Play Lake and Sports Complex\*, Santa Rosa, California (Chief Estimator, and Business Development Manager)

*Duties were to complete price generation for the project issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. The project involved a 35-foot-deep lake, new park construction, including sports fields, dewatering systems, 3000 lf of 10" irrigation main, 2500 lf of 54-inch RCP, and placement of 65,000CY of clay liner. Moved 230,000 CY in the excavation.*

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Army Corps of Engineers Guadalupe River Park\*, San Jose, California (Senior Project Estimator)

*Estimated and project managed this project from start to completion. This project included a large sewer siphon diversion under the Active River, 60-inch RCP storm drain realignments, Gabion basket construction, grading, paving, and major environmental monitoring. Duties were to complete price generation for the project, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings.*

## Renewable Energy

Back Pressure Turbine Project for Elmore and Leathers Power Plants, Imperial Valley, California (Senior Project Estimator)

*Duties were to complete price generation for the project including the following:; backpressure STG, including backpressure turbine, generator, lube oil system and controls; instrumentation, controls, and power protection; HP steam scrubber and HP steam demister; SP steam demister; steam wash system; hot well condensate injection system, steam vent systems; Generator Step-Up (GSU) transformer; Power Distribution Center (PDC), DC System; HV Breaker; and Motor Control Center (MCC).*

Semar Power Generation Plant\*, Buckeye, Arizona (Senior Project Manager)

*Responsible for the complete submittal of the EPCM proposal for the new facility. The EPCM was for the complete civil package only. Duties were to assemble a team that included engineering capable of complete design and construction of the new plant.*

## Retail

East Ridge Mall Reconstruction\*, San Jose, California (Chief Estimator, and Business Development Manager)

*Estimated and project managed this project from start to completion. Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. The project consisted of interior and exterior demolition of structures, interior and exterior Grading and paving, and underground structures.*

Lowes, Costco, and Wal-Mart\*, Gilroy, California (Chief Estimator, and Business Development Manager)

*Estimated and project managed this project from start to completion Duties were to complete price generation for the project, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings*

## Solid Waste

Riverbend Landfill McMinnville Closure\*, McMinnville, Oregon (Senior Project Estimator, and Preconstruction Services Manager)

*were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. This project included the import and placement of liner systems including fill cover, clay, operations layer, and topsoil. Landfill gas system and garbage relocation Project Cost \$3 million.*

Hillsboro Landfill Storm Water Ponds\*, Hillsboro, Oregon (Senior Project Estimator, and Preconstructions Services Manager)

*Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. This project included the excavation of erosion control ponds, storm drainage piping, and riprap structures Project Cost \$1 million.*

Chemical Waste Management Leachate pond #7\*, Arlington, Oregon (Senior Project Estimator, and Preconstruction Services Manager)

*Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. This project included the excavation of Leach pond, storm drainage piping, and riprap structures and Pump Station. Project Cost \$2 million.*



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City of Palo Alto Landfill Closure\*, Palo Alto, California (Senior Project Estimator and Preconstruction Services Manager)

*Estimated and project managed this project from start to completion. Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. This project included the import and placement of four feet of land fill cover (clay, operations layer, and topsoil).*

Emergency Expansion of the City of Watsonville Landfill\*, Watsonville, California (Senior Project Manager)

*Review and approval of change orders, schedules, billings, and attended weekly planning and scheduling meetings. The project consisted of the excavation of material to be completed in less than 30 days and placement of clay liner.*

Ben Lomond Transfer Station\*, Santa Cruz, California (Senior Project Estimator)

*Estimated and project managed this project from start to completion. Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. The project involved the relocation of refuge, new transfer station building, access road, and scale house.*

City of Sunnyvale Landfill Closure and Final Cover\*, Sunnyvale, California (Senior Project Estimator)

*Estimated and project managed this project from start to completion. Duties were to complete price generation for the project, equipment operation and scheduling, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings. This project included the import and placement of four feet of land fill cover (clay, operations layer, and topsoil).*

BFI Vasco Road Landfill - New Cell\*, Livermore, California (Senior Project Estimator, and Business Development Manager)

*Estimated and project managed this project from start to completion. The project included large rock excavations, processing rock into large riprap and delivered to local flood control projects, two million cubic yards of excavation, and a liner and drainage system with leachate collection. Duties were to complete price generation, project buy out, issuance of subcontracts, purchase orders, and review and approval of change orders, schedules, billings, and attending weekly planning and scheduling meetings.*

## **Wastewater and Underground Utilities**

Metzger 498 N-S Fire Line Improvement, City of Beaverton, OR (Senior Project Estimator)

*The project was for the construction and improvement of the 10,000 ft Metzger N-S fire flow pipeline. The project included 8", 12" and 18" diameter pipe, trenchless pipelines, and street repair. Construction Contract Value of The Projects Worked On: \$5 Million*

Corrosion Control Improvements Project, Portland Water Bureau, Portland, OR (Senior Project Estimator)

*Senior Estimator for the Portland Water Bureau's Corrosion Control Improvements Project to reduce lead concentrations in tap water by replacing the sodium hydroxide system with new sodium carbonate and carbon dioxide storage and feed systems. New utility water supply and chemical delivery pipelines will be installed between the new chemical building as well as new utility water supply pumps. Construction Contract Value of The Projects Worked On: \$16 Million*

Senior Estimator. EBMUD, Maloney Pumping Plant & Sobrante Water Treatment Improvements, San Francisco Bay Area, CA, (Senior Project Estimator)

*Senior Estimator for rehabilitation of the Maloney & Greenridge plant, La Honda rate control station, new power building. Construction Contract Value of The Projects Worked On: \$36 Million*

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Southeast Bay Outfall (SEO) Islais Creek Crossing  
Replacement Project, San Francisco, California,  
(Senior Project Estimator)

*Senior Estimator for the \$60 million dollar upgrade  
The project will provide dual 48-inch diameter pipelines  
connected to the western side of SEP 550 at the discharge force  
main pipelines, then follow along a submerged profile crossing  
of Islais Creek, rising on the North Shoreline to combine into a  
60-inch diameter CSFM pipeline. The single pipeline will then  
turn to the east and connect to the existing CSFM pipeline  
approximately 13 feet west of the westerly most MUNI track1,  
in the number 2 lane of southbound Third Street, and 37.7 feet  
east of Manhole 1. The shoreline sections of the pipeline will be  
steel pipe on concrete pile bent supports. The main creek  
crossing pipeline will be HDPE pipeline connected to the steel  
pipeline by flexible joints. The North Shoreline Connection will  
consist of submerged steel pipeline on concrete pile bent  
supports*

New Bull Run Filtration Facility, Portland Water  
Bureau, Portland, OR (Senior Project Estimator)  
3<sup>rd</sup> Party Estimate

*Senior Estimator for the Portland Water Bureau's Bull Run  
Filtration Facility Project. The Project is a new 145 MGD  
surface water treatment plant on a 91-acre greenfield site. The  
Project includes the connecting pipelines running to the new  
bull run pipeline. The plant process is based on conventional  
filtration with pre-ozonation, rapid mix, flocculation,  
sedimentation, filtration & solids treatment. Civil Construction  
Contract Value for this project \$68 Million*

SFPUC Wastewater Treatment Plant - Biosolids  
Digester Facilities, San Francisco, CA  
(Senior Project Estimator)

*Senior Estimator for the \$1.6-billion upgrade to the aging  
solids-handling processes at the Southeast Treatment Plant  
(SEP), the largest wastewater treatment plant owned and  
operated by SFPUC. Project involves confining odors from the  
biosolids facilities to the fence line of the SEP, which means a  
state-of-the-art system for collecting and treating odors on-  
site. Project Cost: \$1.6 Billion*

Tres Rios Wastewater Treatment Expansion\*,  
Phoenix, Arizona (Senior Project Estimator and  
Preconstruction Services Manager)

*Duties were for the complete bidding of the project. The project  
included 15 spillways, levee construction, pump stations for  
inlet and outlet structures, grading, paving, and landscaping.*