

3788 McCray Street
Riverside, CA 92506
webbassociates.com



Proposal to Provide Professional Services for the

Digester Equipment Rehabilitation and Electrical Upgrade Project - Design Services for WRF 1

RFP No. 25-034AT

April 15, 2025



Prepared for



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1. COVER LETTER

Tom Moody, Utilities Director
City of Corona
400 South Vicentia Avenue
Corona, CA 92882

A L B E R T A.
WEBB
A S S O C I A T E S
DIR: 1000006209

April 15, 2025

RE: PROPOSAL FOR DIGESTER EQUIPMENT REHABILITATION AND ELECTRICAL UPGRADE PROJECT WRF 1

Dear Mr. Moody,

Upgrading critical wastewater infrastructure at Water Reclamation Facility 1 (WRF1) requires more than just technical expertise—it demands a team that understands the existing systems, anticipates challenges, and ensures seamless integration with ongoing plant operations. With a direct connection to WRF1's recent improvements—including Digester 1 upgrades, sludge processing enhancements, and MCC replacements—our team brings unmatched familiarity with the facility, its processes, and the City's operational expectations.

To successfully execute the Digester Equipment Rehabilitation and Electrical Upgrade Project, the City of Corona needs a trusted, experienced partner who can deliver a low-risk, high-efficiency solution. Our team—WEBB, AQUA, and SKM—brings:

Unmatched Project Experience at WRF1 and Beyond – Our direct involvement in the Digester 1 Lid Replacement, Centrifuge Replacement, and Sludge Storage Project ensures a smooth transition for Digesters 1, 2, and 3. We've also successfully delivered MCC replacements across WRF1 and WRF2, making our team uniquely qualified to execute this upgrade efficiently.

Seamless MCC & Electrical Integration with the City's Trusted Experts – SKM's Mark Jeppsen is the City's go-to electrical engineering, I&C, and SCADA provider, and Justin Logan is a recognized advisor to the City's Operations team. With a deep understanding of WRF1's electrical systems, we ensure MCC replacement is executed flawlessly, minimizing downtime and integration risks.

Risk-Free Execution & Accelerated Project Delivery – Our team already understands the site, its operational constraints, and the City's expectations, allowing us to identify and mitigate potential risks before they impact the project schedule or budget. Our streamlined approach ensures a safe, efficient, and disruption-free execution.

Additionally, all incidental costs—including printing, mailing, mileage, and other expenses—are included in our hourly rates, ensuring transparency in our pricing. This proposal is valid for 90 days from the date of submission.

We welcome the opportunity to discuss how our team's deep expertise, proven track record, and commitment to efficiency can support the successful completion of this project. Please feel free to contact me at **951-830-3389** or **brian.knoll@webbassociates.com** to coordinate next steps.

Sincerely,



Brian Knoll, PE

Chief Operations Officer
3788 McCray St.
Riverside, CA 92506
951.830.3389 / brian.knoll@webbassociates.com

AQUA Engineering team led by Justin Logan, PE

533 W. 2600 S., Suite 275
Bountiful, UT 84010
P: 801.299.1327

SKM Engineering led by Mark Jeppsen, EE

533 W. 2600 S., Suite 25
Bountiful, UT 84010
P: 801.677.0011

2. QUALIFICATIONS, RELATED EXPERIENCE, AND REFERENCES

WEBB Overview

Albert A. Webb Associates (WEBB) has been a trusted provider of civil engineering services to public sector clients across California since 1945. Our longevity reflects a foundation of financial stability and adaptability through decades of evolving economic landscapes. As a mid-sized consulting firm with offices in Riverside and Murrieta, WEBB is strategically positioned to serve the diverse needs of our clients effectively.

We offer comprehensive in-house professional services, bringing decades of experience to public and private sector clients throughout Inland Southern California. Our team specializes in addressing the unique challenges faced by cities, water and special districts, counties, regional agencies, and industry partners. From project development and planning to design, entitlement, funding assistance, permitting, construction management, and inspection, our services span the entire project lifecycle.

WEBB's enduring legacy, financial strength, and dedicated team of experts make us the preferred partner for public sector entities in California. We are committed to delivering excellence, ensuring the success of every project, and fostering lasting professional partnerships.



Engineering & Planning Excellence Since 1945

WEBB offers the following services:



Construction Management & Inspection



Environmental Services



Land Development Engineering



Land Development Planning & Entitlement



Land Survey & Mapping



Landscape Architecture



Traffic & Transportation



Water Resources

Learn more by visiting

webbassociates.com/services



Corporate Headquarters

3788 McCray Street
Riverside, CA 92506
951.686.1070



180+

Number of Employees



40+

Licensed Professionals

Firm's Financial Condition

At WEBB, financial robustness is not merely a testament to our stability, but a manifestation of our unwavering commitment to excellence. Our fiscal fortitude is a beacon of assurance, illuminating the path toward sustained success and enduring partnerships. With a meticulous approach to financial management, we have cultivated a foundation built on prudence, resilience, and strategic foresight.

Our balance sheets, meticulously curated over years of prudent fiscal management, proudly showcase stability and a trajectory of growth and prosperity. This trajectory, underpinned by astute decision-making and judicious resource allocation empower us to confidently undertake projects of various scales and complexities.

Furthermore, our liquidity reserves, meticulously curated and continuously reinforced, serve as a testament to our preparedness to navigate unforeseen challenges with agility and grace. They provide a cushion of security, ensuring uninterrupted progress even in the face of economic turbulence.

In essence, WEBB's financial health is not merely a statistic but a testament to our unwavering dedication to reliability, integrity, and excellence. It reflects our capability to not just meet but exceed the expectations outlined in this RFP and embark on a journey of mutual success and prosperity with our esteemed partners.

WEBB does not have any pending litigations that would impede our performance on the City's projects.

WEBB has not had any claims or disciplinary action taken against the company or company key personnel within the past five years.

WEBB is a financially secure California corporation. We assure our clients we have the financial resources and organizational capabilities to conduct and complete the required services in a proficient and professional manner. As a privately held company, WEBB does not typically provide financial information; however, we can provide certain information upon request.



Relevant Project Experience



WRF #1 SLUDGE STORAGE PROJECT CITY OF CORONA

WEBB worked on the City's WRF #1 project, which involved a single sludge storage tank that mixed primary and secondary sludges. The combined sludge was high in phosphorus and prone to struvite formation in the dewatering systems, prompting the need to separate the sludges to enhance facility operations. WEBB modified the old abandoned chlorine contact basin (CCB) and repurposed it into a two-cell sludge holding tank, incorporating an aeration/mixing system in the new storage tanks. The team removed the existing strain presses and replaced them with two rotary drum screens to effectively screen the sludge before delivering it to the primary and secondary tanks. Additionally, a new transfer pump station was constructed to convey the stored sludge to the gravity belt thickener and centrifuges for dewatering.

As part of the project, WEBB relocated the existing sludge and dewatering MCCs into a new powerhouse electrical building. This extensive work took place while WRF #1 remained operational, and WEBB collaborated closely with the City's Operations Staff to develop detailed plans for piping and electrical cutovers, ensuring continuous operation throughout the process.



Project Highlights

Reference:

Mauro Casas
Chief Reclamations Operator
City of Corona
400 South Vicentia Avenue, Suite
320
Corona, CA 92882
951.739.4817
mauro.casas@coronaca.gov

Duration:

2019-2021

Project Team:

Brian Knoll, PE (WEBB)
Justin Logan, PE (AQUA)
Mark Jeppsen, EE (SKM)



WRF #1 CENTRIFUGE PHASE 2 EXPANSION

CITY OF CORONA DEPARTMENT OF WATER AND POWER

WEBB is providing design services for Phase 2 of this project which consists of installing a second centrifuge and removing the remaining belt press. In 2018, the City replaced one of its existing belt presses with a centrifuge to improve dewatering. Since that time, the City has seen an improvement in the process performance, especially in light of the dryer being off-line for an extended period of time. The dryer solids coming from the centrifuge has reduced the City's hauling costs compared to the performance of the old belt presses. WEBB prepared the construction documents for the previous installation. Even though provisions were made during the original design, there are still some unique challenges to this project.

This includes:

- Keeping the facility operational throughout the construction and commissioning
- Verify the structure and foundation against current building codes.
- Quick selection and pre-purchase of the new centrifuge prior to finalizing the design, bidding, and construction
- Removal of the roof structure to remove the existing belt press
- Temporary facilities to convey dried sludge to trucks for hauling in order to replace the existing screw conveyor with a continuous serpentine belt conveyor
- Construction of a new gravity centrate effluent pipeline from the centrifuge area to the anoxic zone of the oxidation ditch to help control struvite formation

Project Highlights

Reference:

Mauro Casas
Chief Reclamations Operator
City of Corona
400 South Vicentia Avenue,
Suite 320
Corona, CA 92882
951.739.4817
mauro.casas@coronaca.go

Duration:

2016-Ongoing

Project Team:

Brian Knoll, PE (WEBB)
Shane Bloomfield, PE (WEBB)
Justin Logan, PE (AQUA)
Mark Jeppsen, EE (SKM)
Che Tang, SE (Tang)



WRF #2 MCC REPLACEMENT PROJECT

CITY OF CORONA

The City of Corona identified two antiquated motor control centers (MCCs) that needed replacing. These MCCs were critical for plant operation. The first was for the main influent pump station (Sunkist Lift Station), and the second was for the VFD-driven aerators at the Aeration Basin. The City selected WEBB to design the MCC replacements. The design documents were developed, and the project was bid out and awarded to a Contractor. The construction is currently underway and will be finished in 2025.

One of the key objectives for this design was to keep the facility operational during the MCC replacement. To accomplish this, our team determined that the best approach would be constructing electrical houses (E-Houses) for each MCC. This would require re-routing power and controls from the existing MCC locations to the new E-Houses. Then, the existing electrical rooms would have the associated MCCs and gear removed. Our team must also understand and include the City's standards for the gear and controls. Further, we have assisted the City in purchasing the new MCCs directly so that their lead time would not affect the Contractor's delivery of the project on time.

Project Highlights

Reference:

Mauro Casas
Chief Reclamations Operator
City of Corona
400 South Vicentia Avenue
Suite 320
Corona, CA 92882
951.739.4817
mauro.casas@coronaca.gov

Duration:

2023-Ongoing

Project Team:

Brian Knoll, PE (WEBB)
Shane Bloomfield, PE (WEBB)
Justin Logan, PE (AQUA)
Mark Jeppsen, EE (SKM)
Che Tang, SE (Tang)



WRCRWA WWTP EXPANSION - 14-MGD

WESTERN RIVERSIDE COUNTY REGIONAL WASTEWATER AUTHORITY

The existing Western Riverside County Regional Wastewater Authority (WRCRWA) Treatment Plant was originally placed in operation in March 1998 and was constructed as a design build project. The design capacity is 8.0 million gallons per day (MGD). The service area associated with this treatment facility has continued to grow over the past few years and several of the member agencies associated with the WRCRWA require additional wastewater capacity. As such, WEBB designed the 14-MGD plant expansion.

The expansion project included evaluating alternatives to provide additional flow and biological capacity while reducing the overall cost of treatment. WEBB's design included primary, secondary, and tertiary treatment along with disinfection and solids handling. Working with the member agencies, cost effective alternatives were selected and refined to make this project affordable to build while reducing the cost of treatment. The project also included chemical storage and pumping.

Project Highlights:

- Plan, design and program complete new SCADA system
- Expanded to 14-MGD Operating Facility
- Headwork Screening
- Biological Treatment
- Anaerobic Digestion
- Tertiary Filtration
- Sludge Dewatering and Drying
- Storage and Pumping
- Odor Control
- EQ Basin and Pump Station
- Covered Primary Clarifiers
- Produce Recycled Water:

Project Highlights

Reference:

Tony Pollak
Assistant Deputy Director of
Operations
Western Municipal Water District
16451 El Sobrante Road
Riverside, CA 92503
951.789.5114
tpollak@wmwd.com

Duration:

2012-2017

Project Team:

Brian Knoll, PE (WEBB)
Shane Bloomfield, PE (WEBB)
Justin Logan, PE (AQUA)
Mark Jeppsen, EE (SKM)
Boris Petkovic, PE (AQUA)
Christina Nishimoto, SE (Klienfelder)
Eric Ng, SE (Klienfelder)



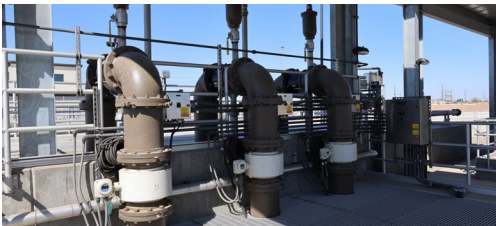
IMPERIAL WASTEWATER TREATMENT PLANT EXPANSION - 2.4-MGD

CITY OF IMPERIAL - PUBLIC WORKS

The firm had responsibility for all aspects of the project including preliminary engineering, environmental documentation and compliance, survey and mapping, final facility design, bidding, construction management, inspection, and NPDES permitting. The upgrades to the City's existing facility included the design of new headworks screening units, the addition of an activated sludge extended aeration basin, MBR treatment system, an upgraded UV disinfection system, sludge dewatering screw presses, flow monitoring and sampling, electrical and controls upgrades, and all appurtenant process and yard piping.

Project Highlights:

- Plan, design and program complete new SCADA system
- Existing operating facility, structures, and piping
- Evaluate existing facilities and prepare facility master plan
- Upgrade/expand headworks
- Upgrade/expand biological treatment (MBR)
- New UV disinfection
- Screw presses
- Funding assistance
- CEQA.



Project Highlights

Reference:

Christopher Kemp
Chief Wastewater Operator
City of Imperial - Public Works
420 South Imperial Avenue
Imperial, CA 92251
760.457.5772
ckemp@cityofimperial.org

Duration:

2018-2022

Project Team:

Brian Knoll, PE (WEBB)
Shane Bloomfield, PE (WEBB)
Justin Logan, PE (AQUA)
Mark Jeppsen, EE (SKM)
Boris Petkovic, PE (AQUA)
Christina Nishimoto, SE (Klienfelder)
Eric Ng, SE (Klienfelder)

Sub Consultant Information

SKM - *Electrical Engineering*

Mark Jeppsen, PE

533 W 2600 S., Suite 25, Bountiful, UT 85010

T: 801.677.0011

DIR: 814721680



SKM Engineering (SKM) will provide electrical engineering services for the City's project. SKM is a premier electrical engineering firm specializing in SCADA, telemetry, and electrical and control design. They employ a staff of highly trained electrical engineers with extensive experience in electrical design, instrumentation and controls, and PLC and HMI programming and design services. Their focus on wastewater and water systems provide clients with extensive process knowledge and understanding of water well and treatment projects.

AQUA Engineering - *Waste Water Process Design*

Justin Logan, PE

533 W. 2600 S., Suite 275, Bountiful, UT 84010

T: 801.299.132



AQUA Engineering (AQUA) is a civil engineering firm specializing in municipal engineering, water and wastewater treatment design, water resources, and environmental services. AQUA is headquartered in Bountiful, Utah with a new location in Denver, Colorado, and has provided quality services to clients throughout the western U.S. As one of the region's leading civil engineering firms, they are qualified, responsive, and highly experienced in the design, operation, and maintenance of water and wastewater treatment facilities.

LandMark Consultants, Inc. (LandMark) - *Geotechnical Analysis*

Greg Chandra,

780 N. 4th Street, El Centro, CA 92243

T: 760.370.3000



LandMark Consultants, Inc. (LandMark) is a consulting firm providing geotechnical engineering and construction materials testing services in the Imperial, Riverside, and San Bernardino County areas of Southern California. The firm was incorporated in El Centro in 2003 with staff assembled in association with Southland Geotechnical since 1987. The staff of Landmark's El Centro office has been operating together since 1982 and has earned a reputation for high quality, cost effective, and responsive technical and professional service. The technical experience and commitment of LandMark Staff results in innovative, cost-effective geotechnical consulting services for small and large projects with challenging site conditions and issues. LandMark works with clients and other involved parties to develop strong working relationships based on integrity, mutual respect, and the shared commitment to designing and constructing noteworthy projects.

C Below Subsurface Imaging (C Below) - Potholing & Utility Location

Chris Loera

14280 Euclid Avenue, Chino, CA. 91710

T: 888.902.3569



C Below offers professional locating and mapping services throughout Southern California. Our highly experienced technicians utilize the most advanced equipment in the industry. We locate horizontal and vertical locations of underground utilities including water, gas power, waste, communications, and cable/TV. Many different methods are used to locate these utilities. These methods include GPR (ground penetrating radar), CCTV, utility locators, electromagnetic locators, and potholing. Accurate information is vital in planning and can prevent costly delays from damages caused by cutting, coring, drilling, or digging in areas congested by unforeseen hazards in concrete, masonry, and underground. Information can be provided in the form of pull box or electrical reports, potholing reports, underground mapping, 3D modeling, CAD drawings or simply marking surfaces.

Additional Projects

PROJECT NAME	CLIENT	CAPACITY (MGD)	TREATMENT TECHNOLOGY
Corona Centrifuge Replacement	City of Corona	14	Sludge Dewatering
Centrifuge Phase 2 Expansion	City of Corona, CA	14	Sludge Dewatering
Imperial WWTP (Multiple)	City of Imperial, CA	5.0, 2.4, 1.0	MBR & Extended Aeration
Heber WWTP	Heber Public Utilities District, CA	2.4	Conventional Activated Sludge
Riverside WRF	City of Riverside, CA	26.0	MBR (civil only)
Temecula WRF	Eastern Municipal Water District, CA	5.0	MBR (civil only)
Willow Creek WWTP	Lake Arrowhead CSD, CA	2.5	Primary Treatment
Fort Shafter Flats WRF	Fort Shafter, HI	2.0	MBR
Jerome WWTP	City of Jerome, ID	5.0	MBR
Oakley WRF	City of Oakley, UT	0.3	MBR
Hyrum WRF	City of Hyrum, UT	2.0	MBR
Moroni WRF	City of Moroni, UT	1.0	MBR
Chino Valley WRF	Chino Valley, AZ	1.0	MBR
Paako WWTP	Paako, NM	0.1	MBR
Edgewood WRF	City of Edgewood, NM	0.2	MBR
San Felipe WRF	City of San Felipe, NM	0.6	MBR
The Cliffs WRF	Boise, ID	0.6	MBR
Richmond WRF	City of Richmond, UT	0.6	MBR
Inscription Canyon	Chino Valley, AZ	0.3	MBR
Wolf Creek WRF	Wolf Creek, UT	0.5	MBR
Las Gallinas WRF	Las Gallinas Valley Sanitary District, CA	3.5	Conventional Activated Sludge with Tertiary Filtration
Vactor Truck Dump Station	Eastern Municipal Water District, CA		Solids Management
San Jacinto Valley WRF Erosion Mitigation Design	Eastern Municipal Water District, CA		Site Improvements
City of Banning WWTP EQ Tank	City of Banning, CA	3.5	Primary Equalization
WWTP Headworks and Dewatering Equipment	Morongongo Band of Mission Indians, CA		Dewatering

References

The City of Corona will benefit from WEBB’s team approach to client service. Our reputation for superior quality work, integrity, and long-standing client relationships is a direct result of our industry proven capabilities and experience. We encourage the City of Corona to speak with your staff who have worked with our firm and call our references to truly understand the commitment we make to each of our clients and their projects.

REFERENCE	AGENCY	CONTACT INFORMATION
Tony Pollak Assistant Deputy Director of Operations	Western Municipal Water District 16451 El Sobrante Road Riverside, CA 92503	951.789.5114 tpollak@wmwd.com
David Larsen Director of Infrastructure and Reuse	Moulton Niguel 26161 Gordon Rd Laguna Hills, CA 92653	949.448.4023 dlarsen@mnwd.com
Thaxton Van Belle General Manager Utilities	City of Beaumont 550 East 6th Street Beaumont, CA 92223-2253	951.572.3195 tvanbelle@beaumontca.gov



3. PROPOSED STAFFING AND PROJECT ORGANIZATION

Organization Chart

Shane Bloomfield, PE, will be the City’s main point of contact and will lead the assigned team on the City’s project.

The following organization chart summarizes the project team that will be available throughout the duration of the City’s important project. Key personnel will be available to the extent proposed for the duration of the project. No person designated as “key” to the project shall be removed or replaced without the prior written concurrence of the City.



Key Personnel Resumes

BRIAN KNOLL, PE

CHIEF OPERATIONS OFFICER



ABOUT BRIAN

Industry **24**
Experience **YEARS**

WEBB **24**
Experience **YEARS**

Brian Knoll, PE, is WEBB's Chief Operations Officer. Brian has been responsible for the design and direction of capital improvement projects throughout southern California. Brian's expertise lies in planning, design, and construction oversight of water and wastewater facilities. Brian has been involved in numerous large multi-discipline water and wastewater projects including the City of Riverside's 26-MGD expansion of their water quality control plant, the City of Beaumont's advanced water treatment facility and brine line, the 14-MGD expansion of the Western Riverside Wastewater Treatment Plant, and the 6-MGD expansion of the Calipatria Water Treatment Plant.

He has worked extensively with the City of Imperial, Western Municipal Water District, Golden State Water Company, the City of Corona, Crestline Lake Arrowhead Water Agency, Eastern Municipal Water District, the City of Riverside, and WRRCWA. Brian has also worked closely with other engineering partners such as CDM Smith, Black & Veatch, and CH2M Hill. His macro style in water resources leadership coupled with a practical approach, enhances Brian's standing within the firm and the industry.

PROJECT EXPERIENCE

WRF #1 Sludge Storage Project, City of Corona - As Project Manager, Brian Knoll led the planning, design, and coordination of critical sludge handling improvements at WRF #1. WEBB managed the conversion of an abandoned chlorine contact basin into a two-cell sludge holding tank with aeration/mixing, replaced strain presses with rotary drum screens, and constructed a new transfer pump station. WEBB also oversaw the relocation of existing MCCs to a new powerhouse electrical building and worked closely with City operations staff to ensure uninterrupted plant operations during all piping and electrical cutovers.

WRF #2 MCC Replacement Project, City of Corona - As Principal-in-Charge, Brian provided strategic oversight for the design and coordination of MCC replacements at the City's WRF #2. WEBB developed design documents for critical facilities including the Sunkist Lift Station and Aeration Basin, ensuring plant operations remained uninterrupted throughout construction. The project included designing new electrical houses (E-Houses), rerouting power and control systems, and supporting the City in pre-purchasing MCCs to mitigate long lead times. WEBB ensured alignment with City standards and collaborated with operations staff to support successful phased implementation.

REGISTRATIONS

Civil Engineer C 65690 CA
Civil Engineer C 42407 AZ

EDUCATION

MS, Civil Engineering
Brigham Young University
BS, Civil Engineering
Brigham Young University

REFERENCES

Tony Pollak
Assistant Deputy Director of
Operations
Western Municipal Water District
tpollak@wmwd.com 951.789.5114

Thaxton Van Belle
General Manager Utilities
City of Beaumont
tvanbelle@beaumontca.gov,
951.845.1171

Thomas Moody
Director of Utilities
City of Corona Utilities Department
tom.moody@coronaca.gov,
951.279.3660

Wastewater Treatment Plant Expansion and Salt Mitigation Project, City of Beaumont - Brian served as Principal-in-Charge and Project Manager for the City's project which consists of two major components:

Wastewater Treatment Plant (WWTP) Expansion and Upgrade - Final Design The existing WWTP was in need of expansion as it was treating over 75% of its permitted capacity and was in need of expansion. Per the new Regional Water Quality Control Board's updated Basin Plan, the City was required to begin reducing TDS being discharged from the plant. The City completed a feasibility study to identify the best way to expand and upgrade the plant. The Plant was converted to an MBR process followed by RO for TDS reduction. The Plant also was equipped with fine screening, EQ basin, sludge dewatering, and drying.

Brine Line - Final Design - Brine disposal was an integral part of this project and was a key driver in the type of treatment selected for this project. Without a safe, reliable, and cost effective way to dispose of the brine, this project could not move forward and compliance with the Basin Plan would be impossible. The brine pipeline connecting to the Inland Empire Brine Line (IEBL) was determined to be the best option during the feasibility study, due to cost and certainty of operation. The brine line was sized at 12-inches and was approximately 23-miles long once completed. The pipeline begins at the City's WWTP and ends near the City of San Bernardino's WWTP on Waterman Avenue.

WRCWRA Wastewater Treatment Plant, Western Riverside County Regional Wastewater Authority - Brian served as Project Manager for the WEBB Team that designed the 14-MGD plant expansion. The expansion project included evaluating alternatives to provide additional flow and biological capacity while reducing the overall cost of treatment. WEBB's design includes primary, secondary, and tertiary treatment along with disinfection and solids handling. Working with the member agencies, cost effective alternatives are being selected and refined to make this project affordable to build while reducing the cost of treatment. The project also includes chemical storage and pumping.

WRF-1 Centrifuge Replacement Expansion Phase 1, City of Corona Department of Water and Power - Brian served as the Project Manager for this project. The purpose of this project was to improve biosolids dewatering performance at Corona's WRF #1. This was accomplished by replacing one of the existing belt presses with a new centrifuge. The two existing belt presses discharge dewatered solids at approximately 14% DS into the conveyor system and into the truck loading and dryer facilities. It is anticipated that the new centrifuge will produce 16-18% DS which will reduce hauling costs when the sludge is being moved out of the facility and will reduce operating costs when the dryer is in operation.

Wastewater Treatment Plant Expansion (2.4 MGD), City of Imperial - Brian oversaw the full project lifecycle for the City of Imperial's wastewater treatment plant expansion. WEBB provided preliminary engineering, CEQA compliance, survey, design, bidding support, construction management, inspection, and NPDES permitting. The project included new headworks screening, an extended aeration basin, MBR treatment system, upgraded UV disinfection, screw press dewatering, flow monitoring, electrical and SCADA upgrades, and all supporting process and yard piping.

SHANE BLOOMFIELD, PE

SENIOR ENGINEER | WATER RESOURCES



ABOUT SHANE

Industry **23**
Experience **YEARS**

WEBB **23**
Experience **YEARS**

Shane Bloomfield, PE, is a Senior Engineer with WEBB's Water Resources Department. Shane specializes in designing public works projects consisting of major pumping plants, groundwater pumping wells, sewer collection system design, wet well rehabilitation, water distribution system design, wastewater treatment plant design, and hydraulic system modeling using various computer models.

He has engineering design responsibilities for several projects for public works agency clients, including the City of Ontario, the City of Riverside, Jurupa Community Services District, Eastern Municipal Water District, and Crestline-Lake Arrowhead Water Agency.

PROJECT EXPERIENCE

Morogno Waste Water Treatment Plant Headworks Replacement, Morongo Band of Mission Indians - WEBB designed new facilities within an existing Wastewater Treatment Plant (WWTP) for the Morongo Band of Mission Indians. The main challenge for this project was to construct and integrate new facilities without disrupting the ongoing services of the WWTP. The project's design focused on increasing the flow capacity and the effectiveness of the WWTP's influent screening process. It addresses maintenance challenges by preventing solids and debris from bypassing the screens, thus improving the overall maintenance landscape. A new primary headworks facility is being added to enhance the WWTP's reliability, with the existing one being preserved as a backup. This improvement not only ensures uninterrupted operation but also significantly improves the work environment for operators due to the upgraded performance of the headworks.

Wastewater Treatment Plant Expansion and Salt Mitigation Project, City of Beaumont - Shane served as the Civil Designer for the City's WWTP Expansion which consists of two major components:

Wastewater Treatment Plant (WWTP) Expansion and Upgrade - Final Design The existing WWTP was in need of expansion as it was treating over 75% of its permitted capacity and was in need of expansion. Per the new Regional Water Quality Control Board's updated Basin Plan, the City was required to begin reducing TDS being discharged from the plant. The City completed a feasibility study to identify the best way to expand and upgrade the plant. The Plant was converted to an MBR process followed by RO for TDS reduction. The Plant also was equipped with fine screening, EQ basin, sludge dewatering, and drying.

Brine Line - Final Design - Brine disposal was an integral part of this project and was a key driver in the type of treatment selected for this project. Without a safe, reliable, and cost effective way to dispose of the brine, this project could not move forward and compliance with the Basin Plan would be impossible. The brine pipeline connecting to

REGISTRATIONS

Civil Engineer C 77435 CA

EDUCATION

BS, Geology/Hydrology
Brigham Young University
MS, Environmental Science & Engineering
Colorado School of Mines

AFFILIATIONS

National Groundwater Association

REFERENCES

John Covington
Water Department Manager
Morongo Band of Mission Indians
jcovington@morongo-nsn.gov
951.755.5270

Thaxton Van Belle
General Manager Utilities
City of Beaumont
tvanbelle@beaumontca.gov
951.845.1171

Kristine Day
Assistant General Manager
Inland Empire Utilities Agency
kday@ieua.org, 830.370.0956

SHANE BLOOMFIELD, PE

SENIOR ENGINEER | WATER RESOURCES

the Inland Empire Brine Line (IEBL) was determined to be the best option during the feasibility study, due to cost and certainty of operation. The brine line was sized at 12-inches and was approximately 23-miles long once completed. The pipeline begins at the City's WWTP and ends near the City of San Bernardino's WWTP on Waterman Avenue.

Beaumont WWTP Expansion/Upgrade Preliminary Design, City of Beaumont - Shane served as WWTP Expansion/Upgrade Civil Engineer on the WEBB Team that prepared the project feasibility study, which analyzed two different options. The first was the Beaumont option which expands and upgrades treatment at the City's WWTP. For this option three different WWTP configurations were evaluated. In addition, options were explored to dispose of waste brine from the advanced treatment system. The second option was to consolidate treatment with YVWD and deliver all wastewater flow there. For each option, detailed cost estimates were developed taking into account capital cost and O&M costs. In the end the City Council selected the Beaumont option. The preliminary design includes the preparation of 20%-30% plans for both the WWTP expansion as well as a 23-mile brine disposal pipeline connecting to the IEBL in San Bernardino.

City of Riverside WQCP Expansion, Camp Dresser & McKee – Shane was the Project Engineer for the civil design of this \$220 million wastewater plant expansion project. WEBB's scope of work included survey, mapping, existing utility identification, utility master plan, site grading, yard piping, demolition, drainage improvements, and landscaping.

The Riverside Regional Water Quality Control Plant (RWQCP) currently serves nearly 300,000 residents in the City of Riverside and several neighboring communities. As part of its Riverside Renaissance Program, the City of Riverside embarked on the Riverside RWQCP Expansion, Upgrade, and Replacement Project in order to meet the projected 2025 flows to accommodate capacity requirements, fulfill regulatory discharge requirements to protect the Santa Ana River, and increase production of reclaimed water to augment Riverside's non-potable demand with recycled water. The expansion project includes replacing 20 million gallons per day (MGD) of existing capacity with 26 MGD of new capacity. The improvements also include new solids processing facilities.

Temecula WRF Expansion, Eastern Municipal Water District - Shane served as a design engineer for EMWD's 23-MGD Expansion Project at the Temecula WRF. As a consulting partner to CH2MHill, WEBB was responsible for all aspects of the civil design including site layouts, grading, yard piping, and utility relocations for the 5-MGD expansion of the plant. New facilities included headworks expansion, primary clarifiers, membrane bioreactor, site improvements, and associated yard piping.

PVRWRF Vector Truck Dump Station Design, Eastern Municipal Water District - Shane served as the Project Manager for the District's design of a new Vector Truck Dump Station at the District's PVRWRF. The Dump Station will meet regulatory requirements and meet the District's goals of 1) efficient operations, and 2) exceeding minimum safety standards at this Cal/STAR site for ergonomics, employee safety, safe walking surfaces, safe chemical handling, and appropriate signage and controls for vehicular travel. The project included preliminary and final design of a complete Vector Truck Dump Station to include a roadway system for safe and easy ingress and egress, maneuvering space, containment berms and slopes, dumping area to accommodate up to six Vector Trucks simultaneously, a connection to sewer for drainage, accessible wash down water, effective and efficient solids handling area, a storage shed for lime, lighting, and vector control strategies. The design package includes all aspects of a fully functional Vector Truck Dump Station. When complete, the station will become a model for future Vector Truck dump stations for the District.



Mark P. Jeppsen, P.E. - Principal

(801) 683-3760 - mark.jeppsen@skmeng.com

Mr. Jeppsen is an electrical, instrumentation and controls engineer with 26 years of experience in power design, controls engineering, process and instrumentation design, industrial network design, construction oversight, radio and telemetry systems, SCADA system design and integration and PLC and HMI design and integration. He has designed and integrated multiple potable water, secondary water, water treatment, wastewater collection and wastewater treatment systems. Design tasks include facility power, motor power and control, SCADA systems, instrumentation selection and control, process and instrumentation diagrams, communications networks and systems, control loop diagrams and descriptions. Integration tasks include control and PLC panel design and construction, PLC, OIT and HMI programming and commissioning, radio system integration and testing, instrument calibration, automated reporting systems and operator training and documentation.

Project Role

Electrical & Controls Engineer

Work Experience

23 Years

Education

BS Electrical Engineering
University of Utah, 2002

Registration

Professional Engineer:

Utah

Certification

Ignition Gold Certification

Specialties

- Electrical Engineering
- Control and SCADA Systems Design & Integration
- Network and Communications Design and Integration
- Water & Wastewater Facilities Process Control and Optimization
- Project Management
- Construction Management

Project Experience

2009 - 2021:

Jurupa Community Services District (JCSD), Jurupa, CA – Electrical and Controls Engineer

Mark has worked with JCSD on various projects over the years including the Regional Lift Station and various other lift stations. He has also been the lead electrical engineer on Wells 13, 27 & 28 as well as the JCSD-RCSD Booster Pump Station. Mark has worked closely with the District's controls engineer and O&M staff to develop designs drawings that are tailored to the District's standards.

2009 - Present:

Western Riverside County Regional Wastewater Authority (WRCRWA), Eastvale, CA – Electrical and Controls Engineer

In 2009 Mark led the electrical and control design for an aeration upgrade at the WRCRWA plant. This included a new blower building with associated controls for the existing oxidation ditches. In 2012 Mark was the lead electrical engineer for a complete plant expansion at WRCRWA which also included new network, PLC, and HMI systems. Since the completion of the expansion, Mark has provided services for several projects and has provided on-call support for the facility.

2006 – Present:

Salt Lake City, UT – Electrical and Controls Engineer

SKM has been providing services to Salt Lake City for their various water and wastewater facilities since 2006. Mark is currently overseeing the implementation of a complete control system upgrade at the 50 MGD Water Reclamation Facility which includes control panel upgrades, PLC replacements and new HMI screens. SKM has designed a new WAS thickening facility and is currently designing a new Headworks facility. Mark is the lead engineer and project manager for electrical and controls upgrades at the 20 MGD Big Cottonwood Water Treatment Plant that will be completed in 2018.

2004 – Present:

Central Weber Sewer Improvement District, UT – Electrical and Controls Engineer

SKM has been working for Central Weber Sewer Improvement District (CWSID) since 2004 by providing electrical designs, controls upgrades and system maintenance. Mark has managed upgrades at the plant as they have come, including upgrades for the influent pump building, utility water pump building and PLC & HMI upgrades. In 2006 design began for a complete 60 MGD plant expansion and SKM was an integral part of the design and integration team. Construction for this project began in 2008 and was completed in 2012.

2004 – Present:

Sandy City, UT – Electrical and Controls Engineer

SKM provided the complete and operational SCADA System for Sandy City's Water System that was completed in 2005. Since then, SKM has provided incremental additions, improvements and maintenance including a new storm water system. The system consists of nearly 40 remote sites that consist of tanks, boosters and wells. In 2016 SKM provided an HMI system upgrade for the water and storm water systems.

2003 – Present:

Park City, UT – Electrical and Controls Engineer

SKM began working for Park City by providing the system integration for an iron, arsenic and manganese removal process at the Spiro Water Treatment Plant in 2003. In 2012, SKM provided the complete and operational SCADA System for the Quinn's Junction Water Treatment Plant, a microfiltration membrane process. This included PLC & HMI programming, custom reports and historical data gathering and startup and commissioning. In 2016 SKM upgraded Park City's complete SCADA system which included their two water treatment plants and approximately 70 remote boosters, tanks, metering stations, PRV stations and well houses.

Project Experience (continued)

2003 – Present:

City of Tooele, UT – Electrical and Controls Engineer

Mark began working for the City of Tooele by providing electrical and controls maintenance at the City's Water Reclamation Facility. In 2011 Mark was the lead electrical engineer for the design, construction and integration of a plant expansion at the Water Reclamation Facility. In 2015 SKM began providing electrical and controls services for the City's culinary water system.

2002 – Present:

City of Payson, UT – Electrical and Controls Engineer

The Payson Wastewater Treatment Plant was upgraded in 2002. Mark successfully implemented the electrical design for the project, oversaw the construction, and integrated the control system. A new fiber optic network was successfully installed and improved the operation and reliability of the SCADA system.

1999 – Present:

Springville City, UT – Electrical and Controls Engineer

Mark successfully designed and implemented the electrical and controls for two plant expansions at the Springville Wastewater Treatment Plant. The first expansion was in 1999 and the second in 2009. The expansions consisted of a new electrical service, new SCADA system and PLC replacements. SKM has been providing integration and maintenance services to the City since 1999.

1999 – Present:

Spanish Fork City, UT – Electrical and Controls Engineer

In 1999 SKM began working for Spanish Fork City by upgrading the electrical and controls system for their primary pump station at the Wastewater Treatment Plant. In 2004, the plant was expanded and Mark was the lead electrical and controls engineer for the project. He successfully implemented the electrical design for the project, oversaw the construction, and integrated the control system. A new fiber optic network was successfully installed and improved the operation and reliability of the SCADA system.

1998 – Present:

West Wendover, NV – Electrical and Controls Engineer

Since 1998 SKM has been providing services to the City of West Wendover for their water and wastewater systems. In 1999-2000 SKM performed a SCADA System replacement for both systems that incorporated new radios and equipment for their well field and pipeline located 20 miles from the City. In 2011-2012 SKM provided the design engineering and integration for a new MBR facility at the Water Reclamation Facility.

Other Project Experience

Present: Beaumont City, CA. WWTP MBR and RO Expansion

2011: Provo City, UT. WWTP Centrifuge Facility Upgrade

Present: Las Gallinas, CA. WWTP Expansion

2011: Orem City, UT. WWTP Expansion

Present: City of Imperial, CA. WWTP MBR Facility Expansion

2010: Taos, NM: WWTP MBR Facility Expansion

Present: Central Davis Sewer District, Kaysville, UT. WAS Thickening

2010: Moroni, NM: WWTP MBR Facility

Addition

2009: Brigham City, UT. WWTP Expansion

2016: Ogden City, UT. Water System SCADA Upgrade

2008: Heber, CA. WWTP Expansion

2016: Provo City, UT. WWTP UV Building Addition and Headworks Upgrade

2008: Inscription Canyon Ranch, AZ. WWTP MBR Plant

2015: Ogden City, UT. WTP Microfiltration Upgrade

2008: Edgewood City, NM. WWTP MBR Facility

2015: Provo City, UT. WWTP Master Plan

2007: Gallup, NM. WWTP Expansion

2014: Imperial, CA. WTP Controls Upgrade

2006: Jerome City, ID. WWTP MBR Facility

2013: City of Elko, NV. WWTP Upgrade

2005: Hyrum City, UT. WWTP MBR Facility

2013: Fort Shafter Flats, HI. WWTP MBR Facility

2003: Oakley City, UT. WWTP MBR Facility

2011: Las Gallinas, CA. WWTP Microfiltration Addition

References:

Jamey West, Plant Manager

Salt Lake City Water Reclamation Facility, SLC, UT
jamey.west@slc.gov; (801) 799-4083

Kevin Hall, Plant Manager

Central Weber Sewer Improvement District, Ogden, UT
KevinH@centralweber.com; 801-731-3011

Thaxton Van Belle, Plant Manager

Beaumont WWTP, Beaumont, CA
tvanbelle@beaumontca.gov; (951) 572-3195



Justin R. Logan, PE | Principal

Phone: 801.694.4604 | **Email:** justin.logan@aquaeng.com

As Vice President and Principal, Mr. Logan leads our firm's water and wastewater treatment initiatives. He specializes in the comprehensive planning, design, and construction of treatment facilities. Justin's approach centers on delivering effective and affordable solutions tailored to each client's unique challenges. Having contributed to over 50 treatment facilities, he brings extensive experience with diverse processes and equipment. His responsibilities encompass project master planning, facility evaluations, process development, design layout, plant configuration, design efficiency, and the development of construction drawings for both water and wastewater treatment facilities.

Project Experience

City of Beaumont Water Reclamation Facility Upgrade - Beaumont, CA

Principal/Project Manager | Existing plant modification and expansion from extended aeration to a 6.0 mgd membrane bioreactor (MBR) plant followed by reverse osmosis to meet salt reduction requirements. The upgrade includes headworks, secondary treatment, tertiary treatment, solids handling and drying.

City of Imperial Wastewater Treatment Plant Upgrade - Imperial, CA

Principal/Project Manager | Conversion of existing plant from extended aeration to a 2.4 mgd membrane bioreactor (MBR) plant capable of producing recycled water.

Western Riverside County Regional Water Authority - Corona, CA

Principal/Project Manager | Plant evaluation, design, and construction services for a complete plant upgrade from 8 mgd to 14 mgd, including all aspects of the treatment plant.

Western Riverside County Regional Water Authority - Corona, CA

Principal/Project Manager | Aeration upgrade adding diffusers and blowers to existing process to improve efficiency and restore capacity of oxidation ditch.

City of Corona Dewatering Upgrade - Corona, CA

Principal/Project Manager | Modification of existing dewatering belt press facility to include a single centrifuge capable of dewatering for the plant and also capable of adding another centrifuge in the future.

Las Gallinas Valley Sanitary District Secondary Treatment Upgrade - San Rafael, CA

Principal/Project Manager | Planning, Design and Construction Management work for the upgrade of the secondary treatment processes from trickling filter to activated sludge, including equalization basin addition and recycled water facility expansion.

Las Gallinas Valley Sanitary District Recycled Water Facility - San Rafael, CA

Principal/Project Manager | Design and construction services for the addition of the Recycled Water facility to the existing treatment plant. This 1.4 mgd facility, capable to 5.4 mgd, utilizes pressure membranes and UV treatment.

City of Imperial Headworks Upgrade - Imperial, CA

Principal/Project Manager | Replacement of existing headworks facility along with various other plant improvements.

Puako Preliminary Engineering Report - Puako, HI

Principal/Project Manager | Preliminary feasibility of treatment & sewer collection options for the Community of Puako with the preparation of a Preliminary Engineering Report.

Fort Shafter Flats Pump Station Conversion - Honolulu, HI

Principal/Project Manager | Planning and complete design for the conversion of the existing pump station to a 2 mgd membrane facility to produce recycled water.

City of Rexburg Water Reclamation Facility Solids Handling Project - Rexburg, ID

Principal/Project Manager | Expansion of solids handling process by converting to anaerobic digestion and pasteurization to produce Class A biosolids and provide for solids storage.

Education

BS Civil & Environmental Engineering,
Brigham Young University, 1998

MS Civil & Environmental Engineering,
Brigham Young University, 1999

Registration

Professional Engineer:

Utah, Nevada, Arizona, California,
New Mexico, Hawaii, Idaho, Colorado

Work Experience

27 Years

Affiliations

WEF

WEAU

WEFTA

ASCE

Expertise

- Wastewater Treatment
- Pump Stations
- Water Storage
- Flood Control & Drainage
- Mechanical Installations

References:

Tony Pollak, Assistant Deputy Director of Operations
Western Municipal Water District
tpollak@wmwd.com 951.789.5114

Thaxton Van Belle, General Manager Utilities
City of Beaumont
tvanbelle@beaumontca.gov, 951.845.1171

Kristine Day, Assistant General Manager
Inland Empire Utilities Agency
kday@ieua.org, 830.370.0956

Justin R. Logan, PE | Principal

Project Experience (continued)

Rexburg City Wastewater Treatment Plant - Rexburg, ID

Principal/Project Manager | Expansion and upgrade utilizing a fixed film process followed by existing oxidation ditches to bring the plant to capacity of 4.8 mgd, adding ultraviolet disinfection, and belt press facility.

Tooele City Water Reclamation Facility, Phase 1B Upgrade - Tooele, UT

Design and construction which added UV disinfection, digestion, and solar drying to the facility. Expansion and upgrade utilizing an MBR process to bring the plant to a capacity of 2 mgd.

Elko Secondary Treatment Upgrade - Elko, NV

Facility planning, design, and construction of a 4 mgd plant.

West Wendover Wastewater Treatment Plant - West Wendover, NV

Facility planning and design of upgrade to MBR system and improvements to the headworks facility, including new screening and washing equipment, HVAC, and utility water system.

Taos Wastewater Treatment Plant Expansion and Upgrade - Town of Taos, NM

Utilized an MBR process design to bring the plant to a capacity of 2 mgd and provide recycled water quality effluent.

Imperial County Wastewater Treatment Plant - Imperial, CA

5 mgd Zenon hollow fiber membrane system, expandable to 15 mgd. Fine screening, process tanks and biological treatment system, UV disinfection facility, RIB's, and standby power.

Springville City Wastewater Treatment Plant - Springville, UT

Expansion and upgrade utilizing STM Aerotor process to bring the plant to a capacity of 6 mgd.

Heber Wastewater Treatment Plant - Heber, CA

1.2 mgd activated sludge treatment plant facility expansion.

Inscription Canyon Ranch Wastewater Treatment Plant - Prescott, AZ

0.5 mgd Kubota flat plate MBR with fine screening, process tanks and biological treatment systems, UV disinfection facility, lab, operations building, and standby power.

Tooele City Wastewater Treatment Plant - Tooele, UT

Expansion to bring the plant from 2 mgd to 4mgd in two phases.

San Felipe Pueblo Wastewater Treatment Plant - San Felipe, NM

300,000 gpd Kubota flat plate MBR expandable to 600,000 gpd, includes offices, a small lab, biosolids dewatering, and a pump station to deliver treated water.

Jerome City Wastewater Treatment Plant - Jerome, ID

Expansion utilizing an MBR process. Several phases to bring plant capacity to 4.5 mgd.

The Cliffs Wastewater Treatment Plant - Boise, ID

Facility with 300,000 gpd Kubota MBR System expandable to 600,000 gpd including fine screening, process tanks, and biological treatment systems, UV disinfection facility, RIBs, and standby power.

Edgewood Wastewater Treatment Plant - Edgewood, NM

Facility design & construction of a 150,000 gpd Kubota MBR System.

Moroni City Wastewater Treatment Plant - Moroni, UT

Kubota MBR process for a 1 mgd plant that is primarily turkey processing waste.

Paako Wastewater Treatment Plant - Albuquerque, NM

Facility design & construction of a 0.26 mgd Kubota Flat Plate MBR Facility, included design of an influent screening system, back-up power system, and the associated telemetry control system.

Taos Wastewater Treatment Plant - Taos, NM

Design and construction of new headworks facility and septage receiving station.

Oakley Water Reclamation Facility - Oakley, UT

Design and construction of a Zenon ZeeWeed 250,000 GPD facility.

Hyrum Water Reclamation Facility - Hyrum City, UT

Facility planning, design, and construction upgrading this existing oxidation ditch facility to a 2 mgd MBR facility using Kubota membranes.



Boris Petkovic, P.E. | Principal

Phone: 801.683.3734 | **Email:** boris.petkovic@aquaeng.com

Mr. Petkovic has over 16 years of experience in water resources and wastewater engineering with a focus on wastewater treatment facility design. Boris has established a reputation for his extensive expertise in designing headworks, clarification/sedimentation facilities, biological reactors, tertiary treatment processes, disinfection facilities and biosolids stabilization and handling facilities. Boris has a background in modeling wastewater systems, including mass balance and hydraulic profile modeling and calculations. He also has completed several storm water, culinary water, and wastewater master plans and studies.

Project Experience

City of Moab Water Reclamation Facility, City of Moab, UT. – 10.0 million

Construction of a new 2.0 MGD Water Reclamation Facility. Sequencing Batch Reactor treatment facility, intermediate pump station, headworks facilities (screenings and grit removal), bio-solids holding and dewatering facilities, and UV disinfection facility.

City of Rexburg Water Reclamation Facility Solids Handling Project, Rexburg, ID - \$6 million

Expansion of solids handling process by converting to anaerobic digestion and pasteurization to produce Class A biosolids and provide for solids storage.

City of Elko Solids Handling Building Upgrades City of Elko, NV. - \$1 million

Existing solids handling building upgrades. The work included the analysis of odor control equipment and design of a new bio-solids truck loadout building.

City of Elko Secondary Clarifier Upgrades, City of Elko, NV. - \$500,000

Upgrades of existing secondary clarifiers. The work included the analysis of clarifier performance and algae growth prevention measures, selection and procurement of new clarifier mechanisms, and installation of Stamford baffles.

Fort Shafter Flats Pump Station, Honolulu HI, Water Reclamation Facility Construction Project - \$25.0 Million

Construction of a new Membrane Bio Reactor (MBR) water reclamation facility at the Fort Shafter Army Base. The project includes modification of a seventy-year-old pump station to anoxic basins, construction of new aeration basins, construction of a new MBR basin, new headworks and solids handling equipment.

City of Provo Water Reclamation Facility UT, UV Disinfection, Digester Mixing, and Headworks Modification Project - \$5 Million

Existing WRF upgrade project. The project includes modification of the existing headworks building, construction of a new UV disinfection building, and installation of new digester mixing equipment.

Western Riverside County Regional Wastewater Authority (WRCRWA), Riverside CA, Plant Expansion Project – 45 Million

Specific duties included design of a new bioreactor basin, tertiary filtration system, sludge solar drying facility, and existing digester modifications (conversion from aerobic to anaerobic digesters).

Western Riverside County Regional Wastewater Authority, Riverside CA, Expansion Study

Developed a study for a 5 MGD plant expansion. The study involved evaluation of process modifications, different solids stabilization and handling processes as well as an evaluation of overall plant energy consumption.

City of Corona Wastewater Treatment Plant Sludge Holding Project, Corona, CA – \$2.0 Million

Plant modifications which included conversion of an existing chlorine contact basin to a sludge holding tank. Installation of primary and Waste Activated Sludge (WAS) screens, odor control, and associated pumping in a very complex site.

Education

B.S. Civil & Environmental Engineering,
University of Utah, 2005

M.S. Civil & Environmental Engineering,
University of Utah, 2008

Registration

Professional Engineer:
UT

Work Experience

16 Years

Affiliations

WEAU, WEF

References:

Tony Pollak, Assistant Deputy Director of Operations
Western Municipal Water District
tpollak@wmwd.com 951.789.5114

Thaxton Van Belle, General Manager Utilities
City of Beaumont
tvanbelle@beaumontca.gov, 951.845.1171

Kristine Day, Assistant General Manager
Inland Empire Utilities Agency
kday@ieua.org, 830.370.0956

Boris Petkovic, P.E. | Principal

Project Experience (continued)

City of Elko Water Reclamation Facility Upgrade, City of Elko, NV. – \$6.0 Million

Analyzed potential biological treatment process alternatives, selection of the biological treatment process, and final design. The final design included the construction of a new IFAS process basin and modification of several existing hydraulic and process structures (secondary clarifiers, hydraulic control structures, etc.)

Western Riverside County Regional Wastewater Authority, Riverside CA, Aeration Upgrade - \$5 Million

Conversion of existing Ox. Ditches to staged aeration. The work included process design, selection of the fine bubble aeration equipment, aeration blowers, and the design of blower building and aeration piping.

Tooele City UT, Water Reclamation Facility Upgrade, Phase 1B - \$4 Million

Upgrade of the existing facility including new circular, concrete sludge holding tank with fine bubble diffuser mixing, modifications of the existing solids handling building, design of a new UV disinfection system and building (existing chlorine contact basin retrofit), and the design of a new solids dewatering building and sludge solar drying facility.

Elwood Town Corporation UT, Wastewater Treatment Plant Construction Project - \$3 Million

Construction of a new wastewater treatment plant. The project included construction of a new concrete tank for a sequencing batch reactor, construction of a new headworks/blower building, and the construction of a new disinfection building. Also, the project includes construction of several earthen basins, an effluent winter storage pond, and an irrigation pump station for the reclaimed effluent.

West Wendover NV, Water Reclamation Facility Phase II Upgrade – \$9.0 Million

Construction of a new influent lift station, addition of a new grit trap, construction of a new MBR facility with UV disinfection and modifications of the existing aeration basins. The project also included the expansion of the dewatering facility and the construction of a new building to house tertiary filters for the treatment of the stored effluent.

City of Page AZ, Water Reclamation Facility Upgrade - \$500,000

Evaluated existing facility process and hydraulic capacity and designed required modifications to allow de-nitrification in the existing oxidation ditches in order to produce Class A effluent.

California City CA, Feasibility Study and Engineering Report

Prepared a feasibility study and as subsequent engineering report for the potential expansion of the California City Water Reclamation Facility.

City of Payson UT, Dewatering Building - \$700,000

Construction of a new solids dewatering building with a screw press and cake conveyor system. Also, included modifications in the digester control building.

Brigham City UT, Waste Water Treatment Plant (WWTP) Upgrade - \$4.0 Million

Project included addition of a new secondary clarifier with a scum pump station, addition of a new UV disinfection system and UV building, and an addition of a new solids dewatering building with new dewatering screw presses. The project also included modifications to the existing WAS/RAS pump station and modification of existing headworks building.

Spanish Fork City Water Reclamation Facility UT, Anaerobic Digester Tank Addition

Addition of an anaerobic digestion tank and modifications of the existing digester control room. The project included the design of a new concrete tank, mixing system (Linear Motion Mixer), modification of the sludge recirculation pumping and piping, addition of a new heat exchanger and boiler, as well as modification of the existing anaerobic digestion tank (addition of Linear Motion mixer).

City of Provo Water Reclamation Facility UT, Solids Handling Building Expansion

The project included solids dewatering building expansion, addition of a new centrifuge, screw conveyor, sludge feed pump, mixing system for the sludge holding tank, and modifications of the existing solids hopper.



Christina Nishimoto, PE, SE

Project Manager

Kleinfelder

Christina Nishimoto has 18 years of professional experience including working with steel, concrete, masonry, and timber structures and is knowledgeable in the design considerations of all four materials and their respective governing codes. Her design phase work has included attending meetings, coordinating with other professional trades, structural analysis, and detailing.

Registrations

Registered Civil Engineer C 73208

Registered Structural Engineer SE

6084

Education

MS, Structural Engineering,
University of California, San Diego

BS, Structural Engineering,
University of California, San Diego

Affiliations

Structural Engineers Association of
San Diego (SEAOSD)

American Society of Engineers
(ASCE)

Work Experience:

Kleinfelder

2006-Current

Wastewater Treatment Plant Expansion and Salt Mitigation

Project, City of Beaumont - Christina serves as Structural Project Engineer for the City's project which consists of two major components:

Wastewater Treatment Plant (WWTP) Expansion and Upgrade - Final Design (Structural) - The existing WWTP needs to be expanded and upgraded. The WWTP is currently treating over 75% of its permitted capacity and therefore must begin the expansion process. Per the new Regional Water Quality Control Board's updated Basin Plan, the City must begin reducing TDS being discharged from the plant. The City completed a feasibility study to identify the best way to expand and upgrade the plant. The Plant will be converted to an MBR process followed by RO for TDS reduction. The Plant will also add screening, EQ, sludge dewatering, and drying.

Brine Line - Final Design (Structural) - Brine disposal is an integral part of this project and was a key driver in the selection of this project. Without a safe, reliable, and cost effective way to dispose of the brine, this project cannot move forward and compliance with the Basin Plan would be impossible. The brine pipeline connecting to the Inland Empire Brine Line (IEBL) was determined to be the best option during the feasibility study, due to cost and certainty of operation. The brine line has been sized at 12-inches and will be approximately 23-miles long. The pipeline begins at the City's WWTP and ends near the City of San Bernardino's WWTP on Waterman Avenue.

WRCWRA Wastewater Treatment Plant, Western Riverside County

Regional Wastewater Authority - Christina served as Structural Project Engineer for the WEBB Team that designed the 14 MGD plant expansion. The expansion project included evaluating alternatives to provide additional flow and biological capacity while reducing the overall cost of treatment. WEBB's design includes primary, secondary, and tertiary treatment along with disinfection and solids handling. Working with the member agencies, cost effective alternatives are

being selected and refined to make this project affordable to build while reducing the cost of treatment. The project also includes chemical storage and pumping.

Miramar Clearwell Improvements, City of San Diego Public Utilities Department - Christina served as Project Engineer providing the design of two new rectangular hopper bottom reservoirs, totaling 58.3 MG. The structural system is a two-way reinforced concrete roof with drop panels supported seismically by perimeter concrete shearwalls. Christina also designed a 5 MG chlorine contact chamber of similar structural system and assisted in managing the work of a number of subconsultants, including the water disinfection process, architectural, civil, landscaping, and environmental permitting.

Additional Experience:

Plant 150, East Valley Water District - Christina served as Project Engineer providing foundation calculations, drawings, and specifications for Plant 150, a centralized water treatment plant. The scope of work included a ring foundation for two 500,000 gallon steel tanks for surface water, concrete foundations for an operations building, chemical building, and multiple ion exchange tanks.

Point Loma Sedimentation Basin Rehabilitation, City of San Diego - Christina served as Project Engineer on the Point Loma Wastewater Treatment Plant project that consists of 12 existing sedimentation basins constructed as several different projects starting in 1962 through 1996. The result of the varying projects is non-uniformity within the 12 basins. Christina provided support on structural engineering services provided by KLF|SWE which included site evaluation, design and drafting, and construction administration during the construction process. Additionally, Christina provided the design of a pipe support rack.

Pump Stations 1 and 2, City of San Diego Metropolitan Wastewater Department - Christina provided structural calculations and construction support for this design-build project. KLF/SWE's scope of work included the design of a two-story concrete masonry building at Pump Station 2 as a sub-consultant to Carollo Engineers. The first floor of the building is an electrical room and the second floor is used for storage. The structural system of the building consists of long span trusses for the roof framing, composite floor, and a mat foundation.

Twin Oaks Central Basin, Central Basin Municipal Water District - Christina served as Project Engineer providing design calculations for the 50 MGD design/build water treatment plant. The design included pump stations, arc flow treatment barriers, two 14 MGD reservoirs, and an ozone treatment facility and filter basin.

Pala Casino Wastewater Treatment Plant, Pala Band of Mission Indians - Christina served as Project Engineer providing the design calculations for this project, which provided the Pala Band of Mission Indians a new wastewater treatment plant and upgrades to the existing lift station.

Phase I Expansion, Riverside Regional Water Quality Control Plant - Christina served as the Project Engineer and provided construction support services for the Phase I expansion. KLF/SWE's scope of work included design consulting services for this project. The expansion scope was to replace 20 MGD of existing conventional activated sludge capacity with 26 MGD of membrane bioreactor capacity.

GREG M. CHANDRA, PE
Principal Engineer

Education

B.S. Civil Engineering, California Polytechnic University, 1979

Registration

Registered Civil Engineer No. 34432, California

Summary of Experience

Mr. Chandra has over 30 years of experience supervising geotechnical, construction, and materials testing and inspection projects from initiation to completion. His experience consists of a wide range of projects for both private developers and government agencies, in both the United States and Asia. Such projects have included: school and university facilities, residential communities/subdivisions, commercial buildings and industrial complexes, recreation facilities, sewage treatment facilities, water facilities, airports, street and highway improvements with construction costs well over \$2 billion. Mr. Chandra has also supervised public works project including concrete lining of 33 miles of the Coachella Canal, flood control and sewage treatment plants.

Professional Experience

2002 – Present	Area Manager/Principal Engineer, Landmark Consultants, Inc.
1998 – 2002	Project Manager/Materials Engineer, Kleinfelder, Inc.
1993 – 1998	Deputy Construction Manager, PT Sentra BDNI
1978 – 1993	Materials Engineer/Operations Manager, RMA Group

Selected Project Experience

- Performed geotechnical and materials consulting services for various street and bridge improvements for the cities of Rancho Mirage, Cathedral City, Palm Desert, Palm Springs, Indian Wells, La Quinta and Indio, California.
- Performed geotechnical and materials consulting services for Mission Spring Water District in Desert Hot Springs, California
- Performed geotechnical and materials consulting services for Desert Water Agency in Palm Springs, California.
- Performed geotechnical and materials consulting services for Coachella Canal Lining for Montgomery Watson Harza, in Coachella Valley, California.
- Performed materials consulting services for East Branch Water Extension Project, for State of California Department of Water Resources, in Redlands, California
- Performed geotechnical and materials consulting services for TVRI and TVWP Waterline Projects for Boyle Engineering, in the County of Riverside, California.
- Performed materials consulting services for Anaheim Convention Center Expansion, for City of Anaheim, in Anaheim, California

STATEMENT OF QUALIFICATIONS

4. WORK PLAN

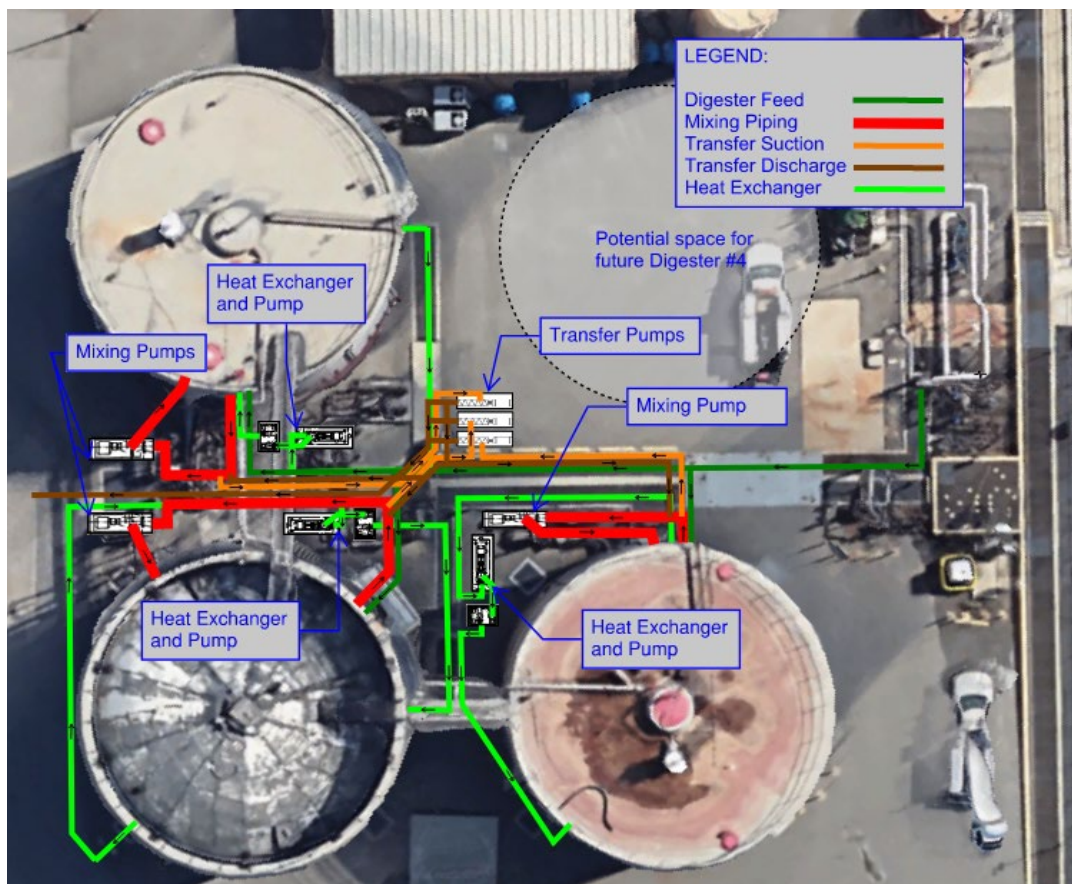
Project Approach and Understanding

Our previous/current work at WRF1 includes the modifications to the Sludge Storage and Screening System, Digester #2 Cover Replacement, Centrifuge Replacement Project, construction oversight of Plant 1A Aeration Panel Replacement, Blowers and Main MCC Replacement, and Sludge Pumping MCC Replacement. This extensive experience has given our team an in-depth understanding of WRF1 facilities, how the Plant operates, and what it takes to maintain operations during construction, cutovers, and commissioning of new equipment.

The digester process and ancillary equipment at WRF1 requires modifications, improvements and replacement as part of this project. Many modifications and “improvements” have been implemented to the digesters since their original construction. Also, operational changes and approaches have changed during that time period. As such, the improvements to the digester mixing, heating and transfer equipment, along with associated pumps is overdue and needed to restore proper operations of this critical solids handling process.

Some of the current plant issues include the following:

- Thickened solids pumping and piping is a bottleneck, impacting the ability to remove solids from the liquid stream processes and get solids to the digestion process.
- Digester heating is insufficient during colder months resulting in temperature running below desired set point.
- Digester #3 mixing is an older system with exterior piping.
- Solids transfer between digesters is limited.
- Piping is confusing, limited, and could be improved.
- Other items like electrical gear replacement and other piping modifications are needed.



This list is not all inclusive but represents some of the major issues with the current digestion facility. Our team is excited to work with Staff to address these and other issues as part of this project effort. Working with the City during the initial project stages, all issues will be identified and discussed in order to include them in the overall design approach and solutions. At this time, we offer the following approaches to addressing the current known issues. Certainly these ideas can and will be modified as we work together to finalize solutions as part of the project.

1. **Thickened Solids Conveyance** – Currently all primary and secondary solids pass through the solids screening process and are subsequently thickened by the gravity belt thickeners (GBTs). Thickened solids are discharged from the GBTs into a conveyance system and then pumped to the digesters. The RFP identifies a need for 3 new thickened solids pumps and new piping to the digester feed valves. This is a critical step and will address bottleneck issues in the current system to allow for design flows to be conveyed to the digesters without limitations. **It may also be appropriate to consider if the auger system could be removed from the process and pumps installed to receive solids directly from the GBTs. If this option proves viable, then one mechanical step could be removed from the process, which reduces equipment to be maintained.** With staff, we would consider the operational and maintenance benefits and consequences of these different approaches to solving the current thickened solids pumping issues. We are confident the best solution can be accomplished.
2. **Digester Heating** – The existing heat exchanger and pumping systems are inadequate for the digestion process and are not able to maintain digester temperatures during colder months. We will size these heat exchangers and pumps together, based on current and future loads and maximum heating requirements to make sure the system is capable of maintaining the digesters at the desired 98°F. Each digester heating system will be sized for its maximum requirement, which would be if all incoming solids were delivered to a single digester during the coldest month of the year. This allows for greatest flexibility in operations without limiting options in how the digesters are operated.

3. **Digester 3 Mixing** – The mixing system in Digester 3 will be replaced with a Vaughan Rotomix system, like Digesters 1 and 2. The mixing system will include internal piping allowing for the exterior piping to be removed.
4. **Solids Transfer** – Currently the digesters are running with Digester 1 and 2 serving as primary digesters and Digester 3 is running as a secondary digester. A single pump is installed to allow for this transfer of solids from Digesters 1 and 2 to Digester 3. There is some limitation in the ability to transfer solids in other ways. It would be beneficial to have the ability to transfer solids from any digester to another, allowing digesters to be taken offline for maintenance or for other operational changes as needed. In addition, there are two (2) pumps that transfer solids from Digester 3 to the dewatering process. One option would be to include a three (3) pump system that allows for the transfer of solids from any digester to another and also allows for transfer of solids to dewatering from any digester. This pumping system would provide maximum flexibility and redundancy for the digestion process.
5. **Piping** – Working with staff, the piping can be simplified, provide needed flexibility and cleaned up to improve the facility. Simple improvements, like the solids transfer pump modifications, heat exchanger piping improvements, and general pipe cleanup improve the ease of operating this facility and understanding how pumping and piping systems work, improving the ease of operations. One of our goals will be to help improve piping as feasible.

Our team will work with the City to fully understand the project needs and goals and implement solutions that make sense for the City. We are confident the current limitations and challenges can be significantly improved with relatively simple changes to the pumps, piping, valving and controls. These changes will improve the overall operability, flexibility and performance of the digestion system.

Project Management & Methodology

Project Management Approach

WEBB's approach to project management is centered on proactive communication, schedule accountability, and consistent delivery. **Brian Knoll, PE will serve as Principal in Charge**, providing executive oversight and resource support. **Shane Bloomfield, PE will act as Project Manager**, overseeing daily coordination, technical execution, and progress tracking to ensure alignment with City expectations.

Our team's familiarity with WRF 1 operations and recent MCC, centrifuge, and sludge processing upgrades allows us to anticipate and manage risks, minimize plant disruption, and accelerate design and implementation.

Communication & Coordination

Shane will be the point of contact, coordinating directly with City staff, subconsultants, and operations teams. Regular project meetings, prompt issue resolution, and transparent updates will keep all parties aligned. Brian will provide support on contractual matters and ensure timely decisions when escalated.

Scope, Schedule & Budget Management

We will use a clear Work Breakdown Structure (WBS) to manage tasks and ensure budget alignment. The project schedule—developed in Microsoft Project—will be tracked against milestones, and corrective actions will be implemented for any variances. Budget monitoring will be ongoing, with earned value analysis and scope adherence built into monthly reporting.

Quality Control

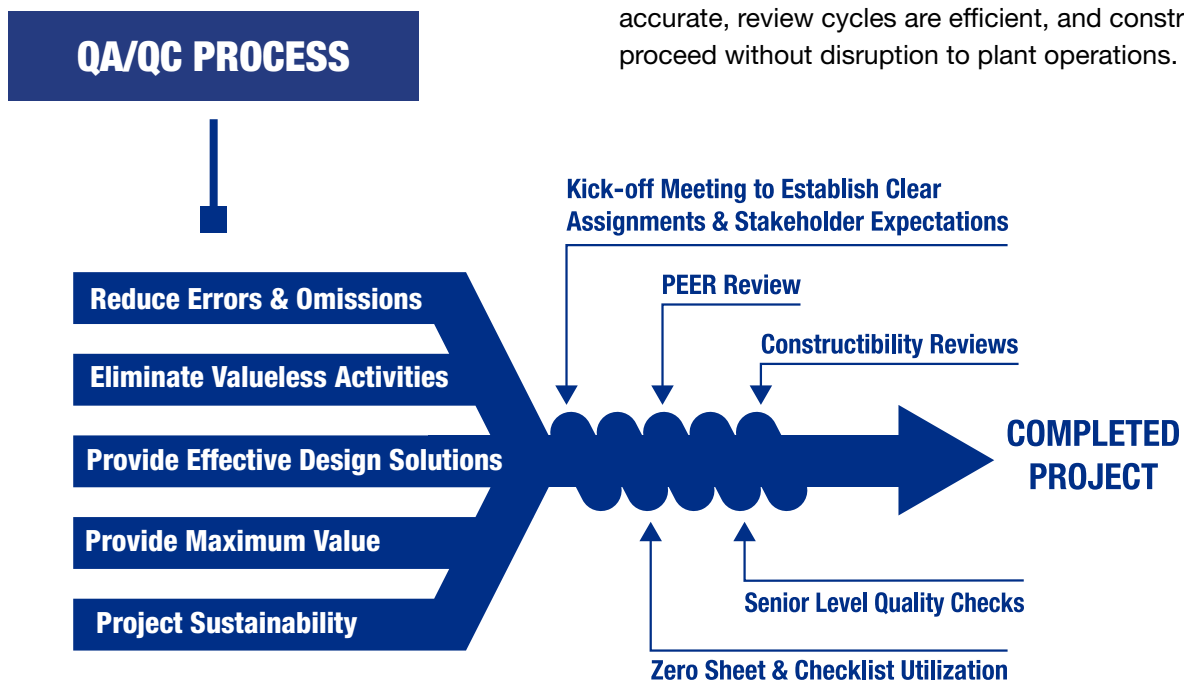
WEBB's QA/QC process is embedded at every project stage. Senior technical leads conduct peer reviews of all submittals to ensure clarity, accuracy, and constructability. We incorporate City feedback early and often, validating each phase before moving forward.

Risk & Issue Management

A centralized tracking log will document and monitor project risks and open issues. Shane will work closely with City operations staff to resolve field constraints and proactively address schedule impacts, procurement delays, or system cutovers.

Kickoff & Delivery Plan

At project initiation, we will host a design kickoff workshop with City staff to confirm priorities, establish communication protocols, and finalize the project delivery plan. Our approach ensures design deliverables are accurate, review cycles are efficient, and construction can proceed without disruption to plant operations.



Scope of Services

Our team will provide the scope of services as outlined in the RFP and as follows:

TASK 1 – PRE-DESIGN SERVICES

▶ Task 1.A – Project Management

WEBB will develop, maintain, and monitor the overall project scope, budget, and schedule throughout the duration of the Project. During scheduled review meetings, WEBB and the City will collaborate to ensure that the project decisions are in the best interest of the overall goals. Periodic coordination calls will take place as needed. Monthly progress reports will be prepared, including updates to the overall project schedule.

▶ Task 1.B – Kickoff Meeting, Site Visit & Review Record Drawings

Before the commencement of the first design package, WEBB will conduct a kick-off meeting and work session with the City and design team members to review the project scope, objectives, critical success factors and establish project communication protocols. Our team will put together a list of documentation and information that will be requested from the City to document existing conditions. The work session will include visiting WRF1 to review project specifics and field conditions prior to the work beginning.

▶ Task 1.C – Geotechnical Investigation

A site-specific geotechnical investigation will be prepared for the project and will include a single boring. This investigation will establish design parameters to be used in the design and will be conducted by Landmark Geotechnical.

The Geotechnical Investigation Task may be eliminated depending on the scope of improvements.

▶ Task 1.D – Site Survey

Our in-house survey crew will be utilized to obtain elevation and location information for the project site. A topographic base map will be prepared for the site and will be tied into existing base mapping prepared for previous projects.

▶ Task 1.E – Utility Research and GPR Locating

WEBB will review record drawings previously obtained from the City for the Digester cover project, the sludge storage project, and centrifuge replacement project. If necessary, we will utilize the services of C-Below to perform ground penetrating radar locating to map subsurface utilities in the project area.

▶ Task 1.F – Quality Assurance / Quality Control (QA/QC)

Throughout the project, our team will be responsible for providing overall quality assurance/quality control and ensuring that deliverables meet the highest standards to address the goals of the Project.

TASK 2 – DESIGN SERVICES

▶ Task 2.A – Preliminary Design (30% Design)

The preliminary design task will identify key elements to the project, develop the construction sequencing for the project to ensure continuous operations, and establish the project framework. These items will be reviewed in our preliminary design workshop with City engineering and operations staff. The 30% design submittal will include the overall site layout, PID, single line diagram for electrical, basic equipment locations/layouts, and a sequencing plan.

▶ Task 2.B – 60% Design Submittal

The 60% submittal will include demo plans for the removal of existing equipment/facilities, civil, mechanical, yard piping, electrical, and instrumentation drawings. Draft specifications will be submitted for City review as well. Along with the design documents, our team will prepare a detailed opinion of construction cost to allow the City to verify the project budget. The 60% documents will be reviewed with the City in a workshop format to facilitate comments and input regarding operations, maintenance, system connections and operational shutdowns.

▶ **Task 2.C – 90% Design Submittal**

The 90% submittal will build upon the 60% submittal, review workshop, and City comments. The cost estimate will be updated and final specifications prepared. The 90% submittal is intended to be a complete set of construction documents for final review by the City.

▶ **Task 2.E - Final Design Submittal**

The final comments from the City will be incorporated and final signed/stamped construction documents will be submitted to allow the City to advertise for construction bids. The documents will include all required plans, a final opinion of cost, construction sequencing work plan, and theory of operation.

TASK 3 – CONSTRUCTION SERVICES

▶ **Task 3.A – Bidding Support, Addenda, and Bid Review**

WEBB will support to the City during the construction bidding process including responding to contractor questions, preparing up to two (2) bid addenda, reviewing the contractor bids, and preparing a recommendation for award.

▶ **Task 3.B – Attend Contractor PreBid Meeting**

WEBB will attend the contractor prebid site meeting and provide support to the City purchasing group. Assumed that one person from the Design team will attend the meeting.

▶ **Task 3.C – Attend Contractor Preconstruction Meeting**

WEBB will attend the contractor preconstruction meeting and provide support to the City purchasing group. Assumed that one person from the Design team will attend the meeting.

▶ **Task 3.D – Submittal Review**

WEBB will review contractor’s equipment and material submittals for conformance with the contract/design requirements. It is assumed that we will review up to 40 submittals with less than 20 needing a second review.

▶ **Task 3.E – RFI Review**

WEBB will review contractor RFIs to clarify the design intent. It is assumed that we will review and respond to 50 RFIs.

▶ **Task 3.F – Field Visits During Construction**

WEBB will perform seven (7) days of field visits to verify construction is in conformance with the contract documents, assist the City in preparing final punch lists, and be present during facility startup testing.

▶ **Task 3.G – Project Closeout & As-Built Drawings**

WEBB will assist the City in closing out the project by confirming the project has been constructed in conformity with the project design documents and that the facility is operating as intended. At the completion of the project, we will utilize the Contractor’s redline drawings to update the design documents to as-built conditions.

TASK 4 – OPTIONAL BLOCK BUILDING WITH CRANE

During the 30% design phase, the Design Team will evaluate and coordinate with the City to determine if the new equipment shall be located within a new masonry block building. If the City decides to construct a new masonry block building as part of the project, WEBB will exercise this optional budget to design the building which will include a crane to facilitate maintenance and removal of equipment. The building design will include all necessary architectural, structural, mechanical, and electrical features for a fully functional facility.

Project Schedules

The schedule for each project will follow the durations and timelines as listed below.

PHASE	DURATION	TIMING REFERENCE
1 Project Kick Off Site Visit	1 Week	From NTP
2 Geotech Survey Utility Research & Preliminary Design	6 Weeks	After Kickoff
3 Final Design	20 Weeks	From Preliminary Design Acceptance
4 Bidding & Award	8 Weeks	After Final Design Completion
5 Construction	52 Weeks	From Construction NTP

Resource Estimate

Per the RFP requirements, the detailed fee schedule has been provided as a separate document.

The table to the right outlines the estimated labor hours allocated to each task for this project.

		Knoll, Brian P.	Bloomfield, Shane	Vigneault, Tyler J.	Ros, Jon	Hinkley, Lexi	Justin Logan	Boris Petkovik	AQUA Engineer	Kenneth Baetz	Mark Jeppsen	SKM Engineer	SKM Designer	Party Chief/1-Person Survey Crew	Total Hours
Task 1	Pre-Design Services	6	18	24	8	12	10	12			10	4		8	112
A	Project Management	2	6	12		8									28
B	Kickoff Meeting, Site Visit & Review Record Drawings	2	4				4	8			4	4			26
C	Geotech Study			4											4
D	Site Survey	2		4	8	2								8	24
E	Utility Research and GPR Locating			4		2		4							10
F	Quality Assurance / Quality Control		8				6				6				20
Task 2	Design Services	8	28	48		14	28	56	112	104	36	56	50		540
A	Preliminary Design (30%) and Workshop	2	8	12		4	8	16	36	12	8	16			122
B	60% Design Submittal & Workshop	2	8	20		4	8	16	36	40	12	16	20		182
C	90% Design Submittal	2	8	10		4	8	16	24	40	12	16	20		160
D	Final Design Submittal	2	4	6		2	4	8	16	12	4	8	10		76
Task 3	Construction Services	2	28	49		22	66	86	73	16	24	74			440
A	Bidding Support, 2 Addenda, & Bid Review		4	8			2	4	8		2	4			32
B	Attend Contractor PreBid Meeting		2	2		2									6
C	Attend Contractor Preconstruction Meeting		2			2	4				4				12
D	Submittal Review (assume 30 submittals)		4	15		8	12	30	45		6	30			150
E	RFI Review (assume 40 RFIs)		4	8		8	20	40	20		8	12			120
F	Field Visits During Construction (assume 7 days)		8	8			24					16			56
G	Project Closeout & As-Built Drawings	2	4	8		2	4	12		16	4	12			64
Total		16	74	121	8	48	104	154	185	120	70	134	50	8	1092
Task 4	Optional Block Building with Crane	4	16	20		4	12	40	56		8	24	36		220
A	New block building design	2	8	12		4	4	8	8		8	24	36		114
B	Mechanical piping changes	2	8	8			8	32	48						106
Total including Optional Task 4		20	90	141	8	52	116	194	241	120	78	158	86	8	1312

5. SAFETY

WEBB has developed a manual to protect all associates, help keep WEBB free of accidents and injuries, and meet the safety requirements outlined in the CAL/OSHA General Industry Safety Orders. The manual incorporates the provisions of Section 3203, "Accident Prevention Plan," and the safety program requirements under SB198.

WEBB maintains a safety program to train our associates to follow safe practices and recognize and correct unsafe working conditions.

Safety is a part of each associate's job at WEBB. WEBB requires that each associate actively participate in and adhere to the safety program. WEBB will make every workplace safe by detecting and correcting unsafe working conditions and work practices because associate safety is a top priority.

Our manual contains instructive safety rules and procedures for associates to enhance safety performance on their jobs. It covers many fundamentals of accident prevention and is continually reviewed and revised to ensure best practices are maintained.

6. EXCEPTIONS/ DEVIATIONS

WEBB is not taking any exceptions or deviations from the requirements outlined in the RFP. However, WEBB has not included design and construction management hours and budget for relocating and upgrading mechanical equipment for the digester pump area. WEBB has included the scope and budget for the equipment evaluation.

Following the completion of the evaluation, WEBB would then negotiate the effort and budget for the recommended improvements as outlined in the evaluation.

7. TIME EXTENSIONS

WEBB understands that there will be no time extensions for routine delays in Project development design, plan check, or permit processing. These will be anticipated in our fee. WEBB understands time extensions will only be authorized in writing as a change order to the contract when due to major changes in Scope of Services, unavailability of essential information or delays by others.

8. ALTERNATIVE WORK SCHEDULE

WEBB does not anticipate requiring an alternate work schedule.

9. INSURANCE



ALBEAWE-01

RDEANDA

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/10/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER License # 0757776 HUB International Insurance Services Inc. PO Box 5345 Riverside, CA 92517	CONTACT NAME: Kristie Koehrer PHONE (A/C, No, Ext): (951) 779-8558	FAX (A/C, No): (951) 231-2572
	E-MAIL ADDRESS: cal.cpu@hubinternational.com	
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A : Travelers Property Casualty Company of America		25674
INSURER B : Lexington Insurance Company		19437
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

INSURED
Albert A. Webb Associates
3788 McCray Street
Riverside, CA 92506

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> \$0 Deductible GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			P-630-8W805292-TIL-24	9/1/2024	9/1/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			BA-9T94622A-24-43-G	9/1/2024	9/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			CUP-9T948494-24-43	9/1/2024	9/1/2025	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	UB-4J648178-24-43-G	9/1/2024	9/1/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Professional Liab.			031711122	9/1/2024	9/1/2025	Ded \$25k/EaClaim 2M 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
For Informational Purposes Only.

CERTIFICATE HOLDER **For Insured's Purpose Only**	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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ACORD 25 (2016/03)

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CITY OF CORONA UTILITIES DEPARTMENT
RFP NO. 25-034AT