

Town of Wickenburg, AZ

Town Engineer Services

RFQ # 25-03



June 19, 2025

2432 West Peoria Avenue, Suite 1246

Phoenix, AZ 85029 | 602.906.1901

Town of Wickenburg Clerk's Office

Herschel Workman, Public Service Director, Project Manager

155 North Tegner Street, Suite A

Wickenburg, AZ 85390

RE: Statement of Qualifications for RFQ # 25-03, Town Engineer Services

Dear Mr. Workman and Review Committee,

We understand that the Town of Wickenburg (Town) is looking for a consultant to provide Town Engineering Services to support capital improvements and operational needs for streets, utilities, public facilities, and grant programs like CDBG. Our team brings not only the technical strength needed to meet your goals, but also a deeply rooted understanding of your community, built through decades of direct service to small and rural municipalities and through our Project Manager, Frederick Tack's prior experience over the past decade with the Town.

Our approach to supporting the Town is grounded in three key strengths:

Continuity and Familiarity – Having previously served as the Town Engineer, Frederick offer's a unique level of familiarity with your standards, priorities, and infrastructure challenges. This allows us to step in with minimal onboarding and provide seamless, reliable support. Additionally, other Consor team members have been supporting project efforts, and we aim to continue building a robust team of professionals to be your trusted advisor.

A Structured and Scalable Team – We offer a well-rounded team with the right balance of senior technical experts, project engineers, and responsive support staff. Our structure is designed specifically to serve municipalities like yours—flexible enough to handle urgent requests, yet comprehensive enough to support complex multi-disciplinary projects.

Proven, Recognized Expertise – Our leadership team includes nationally recognized professionals, including board-certified and credentialed engineers in transportation, water, and utility systems. We bring the depth and credibility to lead technical work with confidence, navigate permitting, and stand behind our recommendations in public forums.

What distinguishes us further is **our long-term commitment to rural and small-town infrastructure**. We understand the realities of limited budgets, tight staffing, and evolving community expectations. We've built a practice that anticipates these challenges and delivers not just engineering, but true municipal partnership.

Thank you for the opportunity to continue contributing to the Town's success. We are excited about the potential to support your team and would welcome the chance to discuss this further.

Sincerely,
Conсор

A large, stylized blue ink signature of Frederick Tack.

Frederick Tack, PE, BC, WRE, ENV SP
Vice President/Technical Practice Leader
Project Manager/Town Engineer

480.487.5059 | frederick.tack@consoreng.com

A blue ink signature of Mark Lee.

Mark Lee, PE
Vertical District Manager
Principal-in-Charge

602.906.1901 | mark.lee@consoreng.com

Acknowledgment of all addenda in cover letter: No addenda have been uploaded to the procurement site

6.1 Understanding and Approach

Understanding

Providing third-party town engineering services, also referred to as municipal engineering or on-call engineering support—involves acting as the extension of a Town's staff. The goals and objectives for these services are shaped by your need for cost-effective, expert support and leadership either in absence of Town engineering staff, or as key support for Public Works and Utilities directors and their teams, all to help plan, design, review, permit, construct, or operate public infrastructure.

From our understanding of providing similar services for other municipal entities, and from the experience of our key staff and relationships and working with the Town in the past, we understand the goals and services associated and expected of this role include the following:

Verify Public Safety and Regulatory Compliance

This goal is understood to protect public health, safety, and welfare through proper planning, design, and maintenance of infrastructure. Objectives include:

- Review private development plans for conformance with town codes, zoning, and safety standards, and industry standard of care.
- Ensure compliance with local, state, and federal regulations (e.g., MS4, ADA, Clean Water Act).
- Support permitting processes (e.g., land development, structures, stormwater, utility improvements and connections).

Deliver Technical Expertise to Support Municipal Staff

This goal is understood to provide specialized engineering knowledge for the Town, when not available in-house. In this role, our services would include serving as the "Town Engineer." In that role, we would work closely with your staff to develop, coordinate, or execute infrastructure programs, project, and policies, provide recommendations to planning boards or Town Councils, including presentations when requested and serve as signatory where appropriate and requested for the Town Engineer.

Other services that may be conducted or supported by the Town Engineers' team members may be to provide supplemental technical support or leadership on a part-time or as-needed basis, assist with grant applications and technical reporting or public outreach and communications.

Support Infrastructure Planning and Capital Improvements

Our role with the Town for this goal, would be to help plan and execute infrastructure investments responsibly and effectively. Critical components of these efforts may include the following:

- Develop and maintain capital improvement plans (CIPs).
- Conduct asset management, condition assessments, and prioritization studies.
- Advise on project phasing, budgeting, and funding opportunities.

Improve Project Delivery and Oversight

Add capacity to help Town staff achieve high-quality, timely, and budget-conscious execution of public works and private development projects, by providing construction oversight and resident engineering services, review and approve plans and submittals for subdivision or site development or provide supplemental quality control through inspection and reporting.

Promote Sustainable and Resilient Infrastructure

We have the expertise and ability to help the Town continue to incorporate resilience, sustainability, and environmental best practices, that protect the cherished elements of your community. This means we can provide recommendations and alternatives that support green infrastructure and low-impact development (LID), integrate climate resilience into design and planning, or recommend energy-efficient or cost-saving alternatives when requested.

Facilitate Transparent Communication with Stakeholders

We are here to help deliver clear, responsive, and transparent interactions with the public, boards, and developers. In that role, we understand we may be asked to represent the town in public meetings and hearings, provide clear documentation, maps, and communication tools, or help inform the public on technical issues in lay terms, and communicate with County, State, or Federal regulators when requested.

Types of Services

Our understanding of the specific services anticipated with this contract, by discipline domain, includes, but not limited to, the following:

General Engineering Support

- Attend Town Council, planning board, or Town staff meetings as requested.
- Provide on-call responses to technical inquiries from staff, developers, or the public.
- Maintain engineering records and assist in developing GIS-based infrastructure maps.
- Support the development of capital improvement plans (CIPs) across service areas.
- Assist in applying for and administering infrastructure grants and funding programs.

Transportation Engineering Services

- Evaluate and prioritize roadway maintenance and paving projects.
- Support traffic calming, signage, and pedestrian safety measures.
- Design and review roadway, sidewalk, and intersection improvement plans.
- Develop long range transportation plan
- Develop transportation safety plan
- Review development proposals for traffic impact and compliance with roadway standards.

- Coordinate with county/state DOTs on joint transportation initiatives.
- Support ADA accessibility audits and compliance planning.
- Assist with permit applications (e.g., water withdrawals, system modifications).
- Community Development Block Grant (CDBG) Program

Water System Engineering Services

- Review and update system maps and asset inventories.
- Conduct water main sizing, pressure analysis, and system modeling.
- Develop water main replacement plans and emergency response protocols.
- Design waterline, wells, storage and other water system improvements.
- Assist with permit applications (e.g., water withdrawals, system modifications).
- Support water quality monitoring and regulatory reporting as needed.
- Evaluate hydraulic capacity and fire flow availability for new developments.

Wastewater System Engineering Services

- Assess condition and capacity of sewer collection and treatment systems.
- Review I&I (Inflow & Infiltration) data and recommend mitigation strategies.
- Review sewer extension requests and development connections.
- Design sewer collection improvements, odor control improvements, and wastewater treatment improvements.
- Prepare or review O&M manuals, facility plans, and capital upgrades.
- Coordinate with state agencies for permits and compliance reporting.

Stormwater and Drainage Services

- Evaluate and prioritize drainage improvements and culvert replacements.
- Conduct site visits to investigate drainage complaints and recommend solutions.
- Review development plans for stormwater compliance (e.g., MS4, LID).
- Prepare stormwater management designs and calculations.
- Support public education and mapping for MS4 compliance (if applicable).
- Coordinate permitting for wetlands, floodplain, and stormwater discharges.

Electrical Utility Engineering Support

- Coordinate with electrical utility providers on planned upgrades or service extensions.
- Advise on public facility electrical needs (e.g., lighting, EV charging, backup power).
- Provide technical review of lighting design (e.g., street lighting, parks).
- Support grant applications for energy efficiency or grid resilience.
- Assist in planning and permitting for renewable integration or microgrid feasibility.

Capital Projects and Construction Oversight

- Prepare preliminary engineering reports (PERs), cost estimates, and design concepts.
- Develop bidding documents, technical specifications, and engineer's estimates.
- Assist with contractor selection and bid evaluation.
- Provide construction administration, inspection, and resident engineering support.
- Monitor project schedules and budgets, and report progress to the town.

Developer and Plan Review Services

- Review subdivision and site development plans for conformance with town standards.
- Coordinate with developers' engineers to resolve comments.
- Review stormwater, utility, and traffic impact studies.
- Provide engineering sign-off or recommendations for board approvals.

Emergency and Special Response

- Provide rapid response engineering support during utility or weather-related emergencies.
- Assess and recommend response actions following flooding, pipe failures, or outages.
- Support FEMA or state aid documentation following damage assessments.

Optional Services (As Required)

- GIS and Asset Management System Development
- Pavement Management Program
- Environmental Permitting (e.g., NEPA, wetland delineations)
- SCADA and telemetry system upgrades (in partnership with vendors)

Why Select Consor?

The Town should select Consor for the Town Engineer services based on three key points.

1 Our proposed **Project Manager and Town Engineer, Frederick Tack**, has served in this role in the past for the Town, and is intimately familiar with your water and wastewater infrastructure, and with various developments over the past 12 years and with your Town standards, codes, and policies. **Frederick served as Wickenburg's third party Town Engineer from 2018-2023**, served as the Operator of Record for the Wickenburg Ranch WRF on multiple occasions, and has supported the planning, design, construction oversight, operations, and training related to your municipal infrastructure since 2014. He is best suited to guide our overall team and set up a variety of future successors to help the Town manage staff transitions, offset workload, add capacity and help your staff experience continued success. Combined with our team of professionals, it will be a group of professionals with unique and overlapping expertise that can be called on directly to support you.

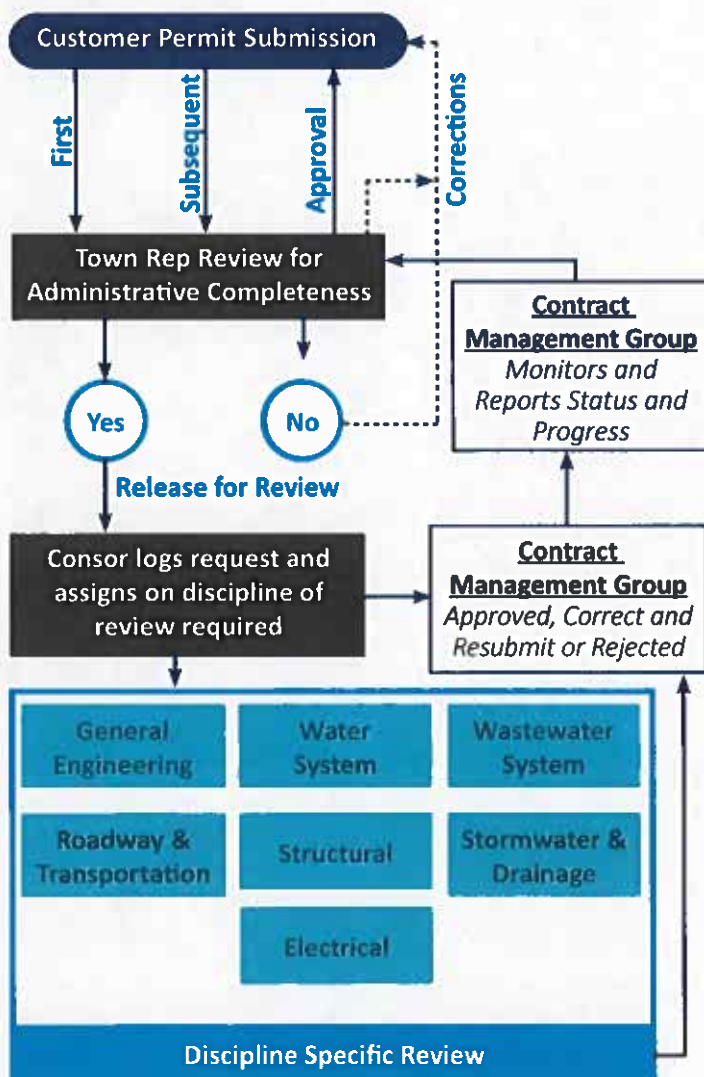
2 We, at Consor, understand your commitment to safe and reliable infrastructure, and your commitment to safeguarding your community's health, safety, and economic stability that your infrastructure provides. Additionally, we understand the balance that is required in providing sound infrastructure to meet your needs today, and incorporate goals that support cost effective growth, while considering and **protecting the ability for the Town to afford the long-term cost to maintain that infrastructure.**

3 We understand your need for **cost-effective and scalable services.** The magnitude and frequency of plan reviews, infrastructure projects, and capital planning will vary throughout the year and throughout the duration of the contract. Our understanding of how to deliver high-value services that scale with the Town's changing needs and budget constraints is important. We offer flexible, on-call support arrangements, are focused on avoiding unnecessary expenditures by using existing data and resources, our ability to leverage technologies such as GIS, asset management, and project management tools to increase efficiency, and add value while being a fair and cost conscience partner.

Approach

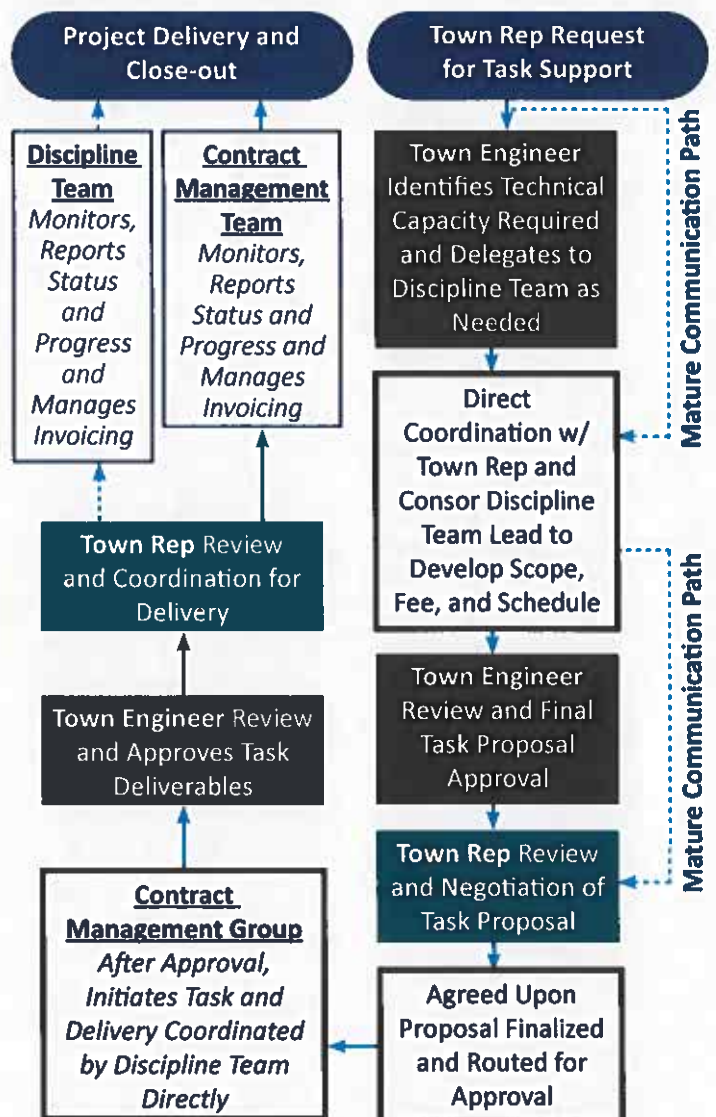
We will approach performing the required services by first providing a framework that concisely identifies the type of professional services that may be requested with separate dedicated professionals to champion each type of tasks all under the guidance and overview by the Town Engineer, and how Town staff can best identify the proper point of contact based on the type of service to be requested, and manage fluent and easy interaction.

Plan Review Process



The framework also defines the anticipated work flow, and defined clear work authorizations, such as the use of task orders or service requests under the master services agreement. Building on the proposed framework, and based on the type of task request and the discipline domain, the path to the resources to provide you service will be clearly defined and easy turned interpret for existing and new Town staff.

Task Order Approval Process



Contract Management Approach

It is critical that third party services are delivered within scope, budget, and legal expectations. After the award of the Master Contract, Consor appointed Contract Manager, Erin Cutlip, will be the point of contact for contract compliance, reporting, and invoicing as supported by our Town Engineer and Deputy Engineer. As task orders or requests are developed, the discipline specific Task Manager-also referred to as the Project Manager, as defined in our proposed framework or as assigned by the Town Engineer, will develop and negotiate the scope and fee to provide the requested service if not already defined in the Master Contract. That Task Manager will then manage the team and resources to collaboratively execute the task and communicate with Town staff.

Although all work will be done under the purview of or as directed by the Town Engineer, work orders and tasks can be conducted directly by the Consor team and in coordination with Town staff, without the day-to-day inclusion of the Town Engineer. In such cases, the Town Engineer and our principal in charge will serve as a point of contact for escalation, if needed to accelerate resolutions, assign additional resources, or interpret project conditions.

Our Contract Management Group, consisting of the Contract Manager, Town Engineer, and Deputy Engineer we'll manage the overall workload and projects that are included in this contract and monitor for schedule and financial health, and overall invoicing and will report that information to the Town representative on a monthly basis. We also propose a quarterly performance review that would consist of a check-in with town leadership to review progress, align priorities, and adjust scope and resources as needed. We will use written change orders or email confirmation to manage scope and changes transparently and we will maintain a log of service requests or tasks to provide timely responses and closure.

Customer Service and Stakeholder Communication

This is equally important to us as we are short this to you period our objective here will be to build trust through responsiveness, transparency, and clear communication. As described and depicted in our proposed framework of workflow and points of contact, we find that it's best to have multiple points of contact rather than just one. However, the Contract Manager, Town Engineer, and principal in charge will be responsible for confirming frequent and consistent lines of communication are maintained and adjusted as needed. This approach is critical to the cost efficiency of this overall contract, where we want to keep the town engineer and other specific technical professionals focused on making certain that the work is technically complete and correct, and to help elevate the confidence by the town that the work product meets requirements and the industry standard of care, and is aligned with the Town's goals and objectives. The Contract Manager and Task Managers can remain focused on communicating project progress, or task efforts. We have partnered with the Town for similar services and are also trusted partners with other professional services providers.

We will also leverage that focus of the Town Engineer for all external stakeholder communication. As the dedicated representative to speak on behalf of the town, when requested and in coordination and approval by town staff, you can be certain that project and technical issues are clearly explained at public presentations, regulator interactions, planning board or Town Council presentations, and when needed, accessible language will be used to translate technical information into plain language,



especially when working with non-technical groups.

Staff Management and Expertise Alignment

The Town Engineer will direct and assign appropriately qualified personnel for all the support requested, and who will integrate smoothly with town staff and operations. This builds on the framework and workflow proposed, in which there is a "Discipline Domain" Team consistently assigned (e.g., civil, electric utility, traffic, water production and distribution, wastewater collection and treatment, stormwater, drainage, structures) to enhance continuity.

We will develop and implement a staff substitution protocols, where we will notify the Town in advance if key personnel need to be reassigned, and provide qualified replacements.

We will develop and deploy onboarding protocol and training for Town specific practices, to elevate on staff's familiarity and efficiency with Town policies, preferences, and regulatory requirements during project startup.

We will also leverage specialists as needed, such as using internal experts (e.g., SCADA, GIS, structural) as needed without overloading the core team and we will work to cross-train our staff when reasonable so multiple team members can backfill and avoid delays due to availability or capability.

Quality Control (QC) and Assurance (QA)

Most of all, you should expect your Town Engineer to deliver technically sound, code-compliant, and consistent work. To support those efforts, we dedicate Harrison Steed, PE, at the QC lead for design task deliverables, prior to Town Engineer review and approval. Harrison has over 24-years of experience, spanning a variety of civil infrastructure across Arizona and Beyond. He has an exceptional understanding of how to avoid construction and maintenance issues and how to best manage quality out comes during design.

He will integrate and support discipline specific teams, and the Contract Management Team. Our focus on QC and QA will include the following:

- **Internal QA/QC Review Process:** Establish a multi-level review system—technical staff prepares, senior engineer reviews, principal signs off.
- **Checklists and Templates:** Use standardized review checklists (for design plans, submittals, stormwater reports) to ensure consistency.
- **Pre-Submission Reviews:** Conduct internal design reviews and constructability checks before submitting to the town or permitting agencies.
- **Client Feedback Loops:** Encourage and document feedback from town staff and boards after submittals and final

Key Elements of Consor Quality Management Program



deliverables.

Scheduling and Workload Management

Our approach to delivering services on time, while responding to evolving priorities from the Town, or within the discipline specific teams, is based on leveraging the role and responsibilities as defined in the proposed framework. The Contract Manager and Deputy Engineer will maintain a rolling 60 Day Workplan and share updates through a forward-looking workplan on a monthly basis with Town leadership to align on upcoming tasks.

The Town Engineer will help prioritize tasks with the Town, using a tiered system (e.g., urgent, high, routine) to triage incoming requests and set realistic timelines.

We will also provide dedicated time blocks, where the Town can reserve scheduled blocks of staff time weekly or biweekly to address Town work (especially useful for smaller tasks).

Our Contract Management Group, and Task Managers will utilize Gantt charts or milestone tracking tools like MS Project or Excel to visually track task schedules, which will also be used to monitor delays proactively, identifying schedule risks early, and propose mitigation (e.g., reassign staff, revise sequence, expedite review).

Technology and Information Management

We use tools that enhance service efficiency, data sharing, and decision-making. We can implement cloud-based document sharing such as a secured SharePoint page or a town-approved platform for storing and accessing plans and correspondence.

We anticipate being connected to and implementing GIS Integration to support the town's asset management efforts, capital planning, and for communicating about the Town's water, wastewater, and electric utility infrastructure.

Consor would promote improving the use of standardized reporting templates to provide consistent formats for review memos, technical reports, inspection logs, and staff updates.

Performance Monitoring and Continuous Improvement

The effectiveness of your infrastructure programs and departments are most likely measured by the long-term value added and measurable improved efficiency year over year. Several of our recommendations and approach to help you demonstrate that includes the following

- **Annual Service Review:** Conduct a formal review with the Town staff to evaluate responsiveness, quality, and outcomes.
- **Track KPIs:** Monitor metrics such as response time, task closure rates, permitting timelines, utility revenue and expenses, customer complaints, and capital project delivery.
- **Adapt Staffing or Scope:** Be proactive in recommending changes to staff assignments or service levels based on need and feedback.

6.2 and 6.3 General Description of the Firm and Proximity

6.2 General Description of Firm

For over four decades, Consor has helped municipal clients throughout Arizona identify cost-effective, sound solutions to their public infrastructure system needs in all areas of planning, analysis, design, and construction administration and inspection (CA&I). Consor and our partners are highly qualified to provide the professional services anticipated in this contract.

6.2 Legal Firm Name and Form

Point of Contact:

Frederick Tack, PE, BC, WRE, ENV SP
p: 480.487.5059
e: frederick.tack@consoreng.com

Type of Business:

C Corporation

Principal and Local Office:

2432 W. Peoria Ave, Suite 1246
Phoenix, AZ 85014



Firm Name	Consor North America, Inc
-----------	---------------------------

State of Incorporation:	Oregon
Subsidiary to:	Consor Engineers, Inc (A Delaware Corporation)
Subsidiary to:	Consor Intermediate II (a Delaware Corporation)
Subsidiary to:	Consor Holdings, LLC (a Delaware Corporation)
Owned in whole or part by:	New Mountain Capital

Firm Name	AZBTR
-----------	-------

Consor (Phoenix Office)	10719-0
Consor (Mesa Office)	10719-1
DARcor	10430

Consor is registered with the Arizona State Board of Technical Registration, authorized to provide professional engineering and land surveying services. Registration ID No. 10719. Additionally, we have selected a subconsultant to provide the leadership and support for electrical engineering and related professional services.

Consor has been continually providing professional services in the State of Arizona since 1983, and through our predecessors, since 1980. Consor has over 1,790 team members across North America, with 77 staff located in Arizona. The home office of our proposed project Principal-in-Charge is 2432 West Peoria Avenue, Suite 1246, Building 14, Phoenix, Arizona 85029.

6.3 Community Ties to the Town

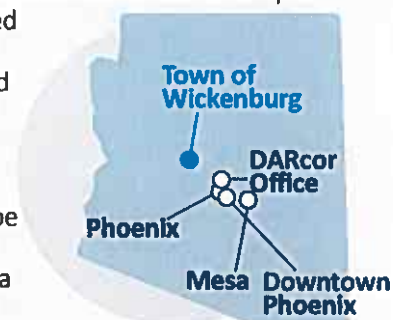
Our proposed Town Engineer has been providing design and utility operation support through directly for the town through private contracts since 2014 and has continually provided support upon request to participate in a variety of community programs. This has included providing hands on presentations and tours for council members and institute participants at the Town's Wastewater Treatment and Water Reclamation Facilities as part of the Wickenburg leadership institute. Frederick has represented the town by speaking at Chamber of Commerce events summarizing the infrastructure programs, history and having open and honest conversations with interested citizens.

Frederick has also served as the operator of record for the WRWRF on multiple occasions in the past and has stepped in to support the Town with the transition of new staff while maintaining compliance with key environmental infrastructure.

6.3 Proximity

Our principal office is located 57 miles from the Wickenburg Town Hall, and our staff can respond in as little as 1 hour upon request. Arizona Consor staff report to one of our four offices in Arizona and may be dispatched from any location. Other office locations that our team members are assigned include 1930 S. Alma School Road, Suite A204, Mesa, Arizona 85210 (**82-miles from Wickenburg**), 3100 N. 3rd Avenue, Suite 201, Phoenix, Arizona 85013 (**65-miles from Wickenburg**). Our subconsultants' Principal office is located at 22601 N 17th Ave Suite 140, Phoenix, AZ 85027 (**50 miles from Wickenburg**) and can also respond in as little as one hour when requested.

Our proximity will reduce the cost associated with travel time, As mileage and travel cost will be based on mileage and duration from Staffs assigned office, or based on the actual distance if they are located closer, As many staff reside on the West side of the Phoenix metropolitan area or between the principal office and the Town.



6.4 Firm Experience and Capability of Work

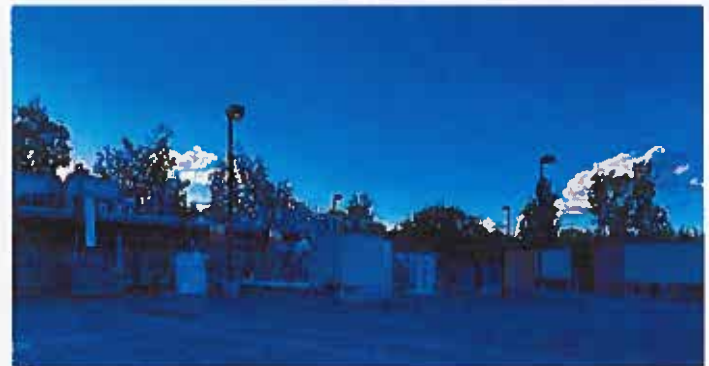
Firm Projects



Town of Wickenburg, AZ

Adams & Santa Cruz Waterline and Pavement Replacement

LENGTH HELD: 01/2025 to Present, Current Contract | **REFERENCE:** Matt Egan, Utility Operations Manager, 928.668.0559 | **REVIEWS COMPLETED IN THE LAST 3 YEARS:** 1 | **OTHER SERVICES PROVIDED UNDER:** Services During Construction (SDC) **PROJECT DESCRIPTION:** The Town procured Consor to provide design services, permitting support, and limited post-design services during construction (SDC), including bid support, shop drawing review, testing and inspection review and approval of construction application support, and final regulatory approval for improvements along Santa Cruz St. and Adams St. This project includes waterline and sewerline replacement, reconnection of each existing service (per home) to the new waterlines, replacement of existing fire hydrants, and addition of new hydrants, replacement of the existing street pavement along Santa Cruz St. from Washington St. to Adams St., and along Adams St., from Santa Cruz to Apache St., replace AC pavement along Adams St. between Santa Cruz St. and the entrance to the Adams Tank. Also includes are ancillary sidewalk and curb replacement and improvements. Design was completed in May 2025 and anticipated for bid and construction starting in July 2025.



Town of Wickenburg, AZ

Wickenburg Ranch WRF Operations Support and Professional Services

LENGTH HELD: 11/2023 to Present; Current Contract | **REFERENCE:** Matt Egan, Utility Operations Manager, 928.668.0559 | **REVIEWS COMPLETED IN THE LAST 3 YEARS:** 1 | **OTHER SERVICES PROVIDED:** WWTP Clarifier Rehab Support and Plan Review **PROJECT DESCRIPTION:** Consor was procured by the Town of Wickenburg to provide supplemental operations and maintenance leadership, management, and oversight for the Wickenburg Ranch Water Reclamation Facility (WRWRF). As the operator of record, Consor principal Frederick Tack was responsible for evaluating, developing, and enacting a response plan to rectify compliance, assessing the facility and operational strategies, and training the remaining Town staff in all asset, maintenance, process, laboratory, regulatory, and management requirements to sustain compliant operations of the facility. This also included the development of new standard operating procedures, preventative maintenance program, training programs, and supplements to the existing asset and maintenance management program.

The WRWRF is an 0.78 MGD peak flow capacity MLE/MBR facility that utilizes flat-sheet micro-filtration membranes and UV disinfection to produce Class A+ effluent for beneficial reuse. The WRWRF had recently experienced high total nitrogen concentrations in the effluent and frequent occurrences of fecal coliform. Frederick and the Consor team were able to identify and rectify the deficiencies and return the facility to fully compliant status within less than six days. Frederick remained engaged in this role for the Town and is supporting the requisition and training of a new operator of record for the WRWRF. Additionally, Consor provides ongoing engineering planning and design support of additional capital and maintenance improvements as part of this project.



Arizona Department of Transportation, AZ (ADOT)

Various Streets On-Call, Town of Duncan

LENGTH HELD: 03/2024 to 12/2025; Current Contract | **REFERENCE:** Arash Ghazanfari, PE, 602.712.8336 | **REVIEWS COMPLETED IN THE LAST 3 YEARS:** 0 | **OTHER SERVICES PROVIDED:** Survey & Mapping and Geotechnical Services.

This is still under design, no other services such as Post Design Services have been provided.

PROJECT DESCRIPTION: Consor is preparing a project assessment, ADA report, and construction documents for the reconstruction of streets throughout the Town of Duncan. The scope includes pavement design and reconstruction, curb and gutter, sidewalks, ADA ramps, utility coordination and improvements, and obtaining the environmental, right-of-way, and utility clearances in accordance with federal requirements.



City of Glendale, AZ

Sewer and Manhole Assessment & Rehab, Phase 6

LENGTH HELD: 01/2023 to est. 08/2025; Current Contract | **REFERENCE:** Gene Haranczak, 623.930.3688 | **REVIEWS COMPLETED IN THE LAST 3 YEARS:** 0 | **OTHER SERVICES PROVIDED:** JOC Price Review, Post Design Services

PROJECT DESCRIPTION: Consor provided evaluation, design and construction administration and inspection services for the rehabilitation of sanitary sewer pipe and manholes at various different locations throughout the City of Glendale. The project was split into four separate phases and plan sets to coincide with prioritization of repairs and the City's available funding. Work included 3,300 feet of new 15-inch VCP sewer, 8,400 feet of pipe rehabilitation using cured-in-place pipe (CIPP) and point repairs on pipes ranging in size from 8 to 20 inches in diameter, 15 new manholes, structural design of large junction structure to accommodate 36 and 39-inch VCP and rehabilitation of 40 manholes. Other work included survey, manhole inspections, review of pipe inspection, development of design report, plans, specifications, estimate, extensive coordination with City, ADOT, BNSF Railroad and MCESD, right-of-way evaluation, as well as other related items of work.

City of Peoria, AZ

North Peoria Well Field Program

LENGTH HELD: 04/2022 to 12/2024; Completed | **REFERENCE:** Chris Sterne, Civil Engineer, 602.540.2103 | **REVIEWS COMPLETED IN THE LAST 3 YEARS:** 0 | **OTHER SERVICES PROVIDED:** Program Management

PROJECT DESCRIPTION: This program includes up to five new wells, transmission mains between sites, and a centralized treatment and booster pump station facility. As part of the initial phase of this program, Consor provided the City with support in coordinating with Arizona State Land Department (ASLD) and CAP to gain access for drilling seven exploratory boreholes, five of which are to be selected for well drilling. Consor provided direction and oversight on schedule, risk management, delivery methods, and other program management activities



City of Glendwood Springs, CO

Glenwood Springs Comprehensive Safety Action Plan (CSAP)

LENGTH HELD: 07/2024 to 06/2025; Current Contract | **REFERENCE:** Lee Barger, Transportation Engineer, 970-384-6448

| **REVIEWS COMPLETED IN THE LAST 3 YEARS:** 0 | **OTHER SERVICES PROVIDED:** Development of CSAP Included

PROJECT DESCRIPTION: The project supported Glenwood Springs in developing their Safe Streets and Roads for All (SS4A) funded CSAP, including analyzing crash data locations/trends to identify hotspots and ultimately develop a High-Injury Network (HIN), High-Risk Network (HRN), countermeasures toolbox and suite of projects/strategies to position City staff to apply for future implementation funding. The project team also developed high-level initial concepts for nine focus area locations. The CSAP process was accompanied by a robust online/in-person engagement effort, which included special focus on hearing from the local school community and Spanish-speaking community.

Town of Payson, AZ

ADA Ramp Design

LENGTH HELD: 04/2025 to 04/2025; Current Contract- On-Call Started 02/2025 and until 12/2025 | **REFERENCE:** Bill

Clemans, 928.472.5043 | **REVIEWS COMPLETED IN THE LAST 3 YEARS:** 0 | **OTHER SERVICES PROVIDED:** N/A

PROJECT DESCRIPTION: Consor was asked by the Town of Payson to perform design services within 3 days for an ADA sidewalk and ramp. Construction was currently underway in the vicinity when it was determined the existing sidewalk was not compliant. To keep the construction on track Consor was engaged through its oncall contract with the Town to complete this short turnaround request. The project resulted in the need to regrade nearly 150 feet of curb/gutter and roadway leading into the intersection of SR 260 and Manzanita Drive to tie in existing drainage catch basin and meet ADA requirements. Project was completed within the requested time frame showing Consor's ability to be responsive and flexible for its clients.

Previous Projects for the Town of Wickenburg, AZ

- Wickenburg Ranch WRF Operations Support and Professional Services
- Adams & Santa Cruz Waterline and Pavement Replacement
- South WWTP West Clarifier Construction Support
- South WWTP Headworks Replacement and Improvements Project
- South WWTP UV Improvements
- South WWTP ADEQ Aquifer Protection Permit (APP) Coordination

Organizational Chart, Lines of Authority, Points of Contact, and Percentage of Weekly Time Commitment

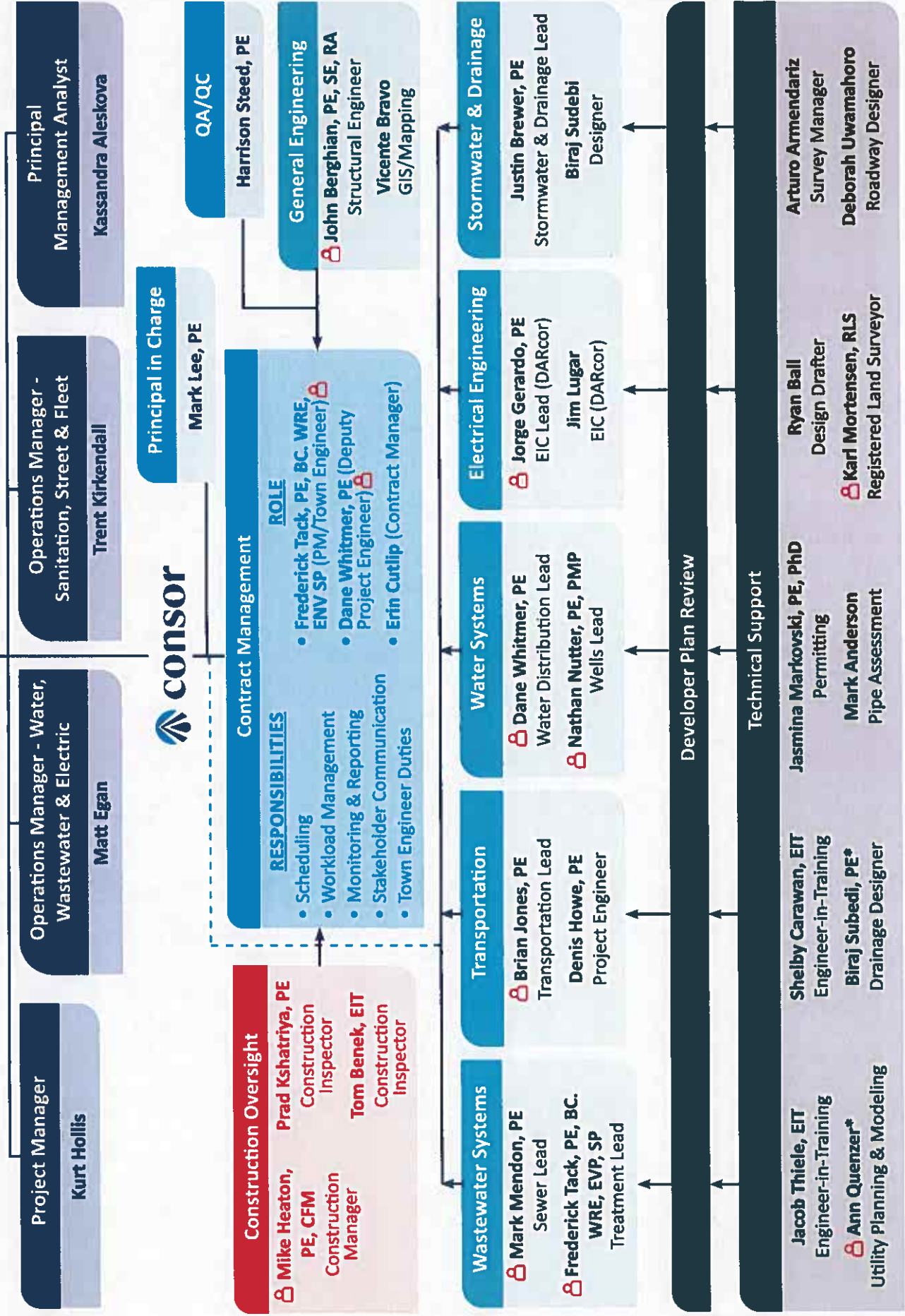
Name	Percentage	Name	Percentage
Frederick Tack, PE, BC, WRE, ENV SP	30%	Jorge Gerado (DARcor)	15%
Mark Lee, PE	5%	Jim Lugar (DARcor)	20%
Harrison Steed, PE	5%	John Berghian, PE, SE, RA	15%
Erin Cutlip	15%	Jacob Thiele, EIT	25%
Dane Whitmer, PE	35%	Ann Quenzer, PE	10%
Mark Mendon, PE	15%	Vicente Bravo	20%
Nathan Nutter, PE	10%	Shelby Carawan, EIT	20%
Justin Brewer, PE	10%	Biraj Subedi	25%
Mike Heaton, PE, CFM	15%	Jasmina Markovski, PE, PhD	15%
Prad Kshatriya	25%	Mark Anderson	20%
Tom Benek, EIT	25%	Ryan Ball	20%
Brian Jones, PE	25%	Karl Mortensen, RLS	10%
Denis Howe, PE	25%	Arturo Armendariz	15%
		Deborah Uwamahoro	20%

Organizational Chart

Point of Contact: Frederick Tack, PE, BC, WRE
e: frederick.tack@consoreng.com p: 480.487.5059



- PE or licensed in a different state
- Key People
- Direct Comms Path for Reviews, Approvals & Management
- Direct Comms Path for Discipline Specific Tasks



Percentage of Weekly Commitment
in table on previous page

6.5 Proposed Project Staff

Key Staff Resumes



EMPLOYER

Conсор

REGISTRATION

- Professional Engineer AZ #53976, CO, TX, WA
- Grade 4 Water Distribution System Operator, ADEQ
- Grade 4 Wastewater Treatment System Operator, ADEQ
- Grade 4 Wastewater Collection System Operator, ADEQ
- Grade 4 Water Treatment System Operator, ADEQ
- Board Certified Water Resources Engineer, AAWRE
- Envision Sustainability Professional, ENV SP

TIME WITH FIRM

1.5 years

EXPERIENCE

24 years

STATE OF RESIDENCY

Arizona

EDUCATION

BS, Civil Engineering, Arizona State University
MS, Civil, Environmental & Sustainable Engineering, Arizona State University
WEF Water Leadership Institute

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Past Wickenburg Town Engineer
- Past Operator of Record for WRWRF

FREDERICK TACK, PE, BC, WRE, ENV SP | *PM/Town Engineer/Treatment Lead*

Frederick has over two decades of experience focused on the planning, design, and operations of water and wastewater treatment facilities. He has led the design of over 40 water treatment and 40 wastewater treatment facility expansions and master plans. His responsibilities include supporting the technical vision, goals, and objectives set early in the project; providing the technical direction for assessment and evaluation; and supporting the resiliency strategy development and execution throughout the project. Also, as a certified operator, he has led the day-to-day operations, maintenance, compliance, and optimization of public and private water and wastewater treatment facilities. He understands the daily challenges and how to best accommodate those in planning and management.

KEY PROJECT EXPERIENCE

WICKENBURG RANCH WRF OPERATIONS SUPPORT AND PROFESSIONAL SERVICES; Town of Wickenburg, AZ; *Engineer of Record and Operator of*; Conсор was procured by the Town of Wickenburg to provide supplemental operations and maintenance leadership, management, and oversight for the Wickenburg Ranch Water Reclamation Facility (WRWRF). As the operator of record, Conсор principal Frederick Tack was responsible for evaluating, developing, and enacting a response plan to rectify compliance, assessing the facility and operational strategies, and training the remaining Town staff in all asset, maintenance, process, laboratory, regulatory, and management requirements to sustain compliant operations of the facility. This also included the development of new standard operating procedures, preventative maintenance program, training programs, and supplements to the existing asset and maintenance management program. The WRWRF is an 0.78 MGD peak flow capacity MLE/MBR facility that utilizes flat-sheet micro-filtration membranes and UV disinfection to produce Class A+ effluent for beneficial reuse. The WRWRF had recently experienced high total nitrogen concentrations in the effluent and frequent occurrences of fecal coliform. Frederick and the Conсор team were able to identify and rectify the deficiencies and return the facility to fully compliant status within less than six days. Frederick remained engaged in this role for the Town and is supporting the requisition and training of a new operator of record for the WRWRF. Additionally, Conсор provides ongoing engineering planning and design support of additional capital and maintenance improvements as part of this project.

Reference: Matt Egan, 928.668.0559, megan@wickenburgaz.gov

ADAMS & SANTA CRUZ WATERLINE AND PAVEMENT REPLACEMENT; Town of Wickenburg, AZ; *Project Manager*; Frederick served as Project Manager for this project to support the town in providing design services, permitting support, and limited post-design services during construction (SDC), including bid support, shop drawing review, testing and inspection review and approval of construction application support, and final regulatory approval for improvements along Santa Cruz St. and Adams St. This project includes waterline and sewerline replacement, reconnection of each existing service (per home) to the new waterlines, replacement of existing fire hydrants, and addition of new hydrants, replacement of the existing street pavement along Santa Cruz St. from Washington St. to Adams St., and along Adams St., from Santa Cruz to Apache St., replace AC pavement along Adams St. between Santa Cruz St. and the entrance to the Adams Tank. Also includes are ancillary sidewalk and curb replacement and improvements. Design was completed in May 2025 and anticipated for bid and construction starting in July 2025.

Reference: Matt Egan, 928.668.0559, megan@wickenburgaz.gov

CURRENT AND POTENTIAL TIME COMMITMENTS:

- Wickenburg Ranch WRF Operations Support and Professional Services, Town of Wickenburg, AZ
- Adams & Santa Cruz Waterline and Pavement Replacement, Town of Wickenburg, AZ
- South WWTP West Clarifier Construction Support, Town of Wickenburg, AZ
- South WWTP Headworks Replacement and Improvements, Town of Wickenburg, AZ
- Stanfield Groundwater Supply and Treatment Design, Arizona Water Company



DANE WHITMER, PE | *Deputy Project Engineer/Water Distribution Lead*

EMPLOYER

Conсор

REGISTRATION

- Professional Engineer AZ #68539, WA, CA, UT

TIME WITH FIRM

2 years

EXPERIENCE

15 years

STATE OF RESIDENCY

Arizona

EDUCATION

BS, Civil Engineering,
University of Arizona
MS, Environmental
Engineering, University of
Arizona

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Complex Process
Mechanical Design
- Retrofit and
Expansion Design
- Condition Assessment

Dane was born and raised in Graham County, Arizona, on a family farm where he learned early on the importance of water resources in the state. This and a desire to provide a better environment led him to a career in civil/environmental engineering. Dane comes with a diverse and comprehensive understanding in planning, design, and condition assessment for the complete water cycle. Dane has performed several designs for both water and wastewater treatment and piping systems. His career has provided a broad perspective of clients and social environments across the western US where he has adapted to meet the unique and sensitive needs of his clients. Dane has completed projects across the western US as well as internationally using traditional delivery methods and alternative delivery methods such as Construction Manager at Risk.

KEY PROJECT EXPERIENCE

GILBERT FORCEMAIN REPLACEMENT PROGRAM MANAGEMENT; *Town of Gilbert, AZ; Program Manager/Lead Engineer;* The Town of Gilbert contracted with Conсор to lead their forcemain replacement program. Dane, served as the Program Manager and Lead Engineer in these efforts for this program, which includes organizing engineering designs by others, permitting coordination and submissions, directly working with the CM@R selected contractor, construction inspections, and providing additional engineering services where prior designs were incomplete. Recent work for this program includes the replacement of nearly 4,000 feet of ductile iron pipe with 10-inch HDPE, which included added designs for Jack and bore rail road crossings and existing pipeline interconnections.
Reference: Steve Notch, 480.296.5134, steve.notch@gilbertaz.gov

ADAMS & SANTA CRUZ WATERLINE AND PAVEMENT REPLACEMENT; *Town of Wickenburg, AZ; Deputy Project Manager;* Dane served as Project Manager for this project to support the town in providing design services, permitting support, and limited post-design services during construction (SDC), including bid support, shop drawing review, testing and inspection review and approval of construction application support, and final regulatory approval for improvements along Santa Cruz St. and Adams St. This project includes waterline and sewerline replacement, reconnection of each existing service (per home) to the new waterlines, replacement of existing fire hydrants, and addition of new hydrants, replacement of the existing street pavement along Santa Cruz St. from Washington St. to Adams St., and along Adams St., from Santa Cruz to Apache St., replace AC pavement along Adams St. between Santa Cruz St. and the entrance to the Adams Tank. Also includes are ancillary sidewalk and curb replacement and improvements. Design was completed in May 2025 and anticipated for bid and construction starting in July 2025.

Reference: Matt Egan, 928.668.0559, megan@wickenburgaz.gov

CASCADE GROUNDWATER TREATMENT PROGRAM - MANGANESE FILTRATION TREATMENT PLAN; *Rockwood Water PUD, OR; Water Treatment Plant Design Lead;* This project includes the design of the water treatment plant and a new booster pump station. The total capacity will depend on the final well capacities as they are developed, but the design can accommodate a range of 28 to 32 MGD at full capacity. The treatment plant includes multiple vessel vertical skids with pyrolox advantage media. Chlorine will be generated on site and the treatment facility includes offices, locker rooms, restrooms, a control room, server room, conference or training room and a laboratory space. The project included land use permitting, SCADA, a new equipment storage facility.

Reference: Jeremy Hudson, PE, District Engineer, 503.665.4179, jhudson@rwpud.org

CURRENT AND POTENTIAL TIME COMMITMENTS:

- Force Main Replacement Program, Town of Gilbert, AZ
- Town of Payson PFAS Treatment Design, Arizona Department of Environmental Quality (ADEQ)
- Manganese Filter WTP ESDC, City of Gresham, OR
- Vandenburg Space Force main Base WTP Chemical System Drainage, Cannon Corps.
- Collection System Odor Control Design, City of Glendale, AZ



MARK MENDON, PE | *Sewer Lead*

EMPLOYER

Conсор

REGISTRATION

- Professional Engineer
AZ #75001
- NASSCO #U-0817-
07009025 (PACP/
MACP/LACP)
- NASSCO #C0036017-
022022 (ITCP/CIPP)

TIME WITH FIRM

7 years

EXPERIENCE

12 years

STATE OF RESIDENCY

Arizona

EDUCATION

BS, Civil Engineering,
California State University,
Chico

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Thousands of Manholes
and Hundreds of Miles
of Pipes Assessed
- Experience in Sewer
and Water Design,
Condition Assessment,
and Rehabilitation
- Solid Understanding of
Standards, Supplements,
and Permitting
Process for Water and
Wastewater Projects

Mark has more than 12 years of experience on a wide array of water and wastewater pipeline related projects, including water distribution and transmission main design, sewer collection system design, pipeline inspection, assessment and rehabilitation design, lift station design, and pump station design. His experience includes project assessment and design reports, project cost estimating, technical specification writing, and project management. His ability to see the overall picture helps to maintain the project schedule and meet project goals. Mark has implemented his assessment skills on hundreds of miles of pipeline throughout Arizona.

KEY PROJECT EXPERIENCE

SEWER AND MANHOLE ASSESSMENT & REHAB; City of Glendale, AZ; Project Engineer; As Project Engineer, Mark helped Conсор provide design and construction administration and inspection (CA&I) services for the rehabilitation of sanitary sewer pipe and manholes at 26 different locations throughout the City of Glendale. This included 8,700 feet of pipe and 43 manholes. The locations were grouped into 14 different sites which were further grouped into four separate plan sets to coincide with the City's funding and scheduling for construction. Work included survey, review of inspection video, recommend rehabilitation of pipes and manholes, a design report, design, specifications and estimates for each set of plans, extensive coordination with various City departments, utility coordination, right-of-way evaluation, obtain an ATC permit and AOC from MCESD, and other items of related work.

Reference: Mark Fortkamp, 623.930.4117, MFortkamp@glendaleaz.com

CENTRAL MESA SEWER INTERCEPTOR; City of Mesa, AZ; Project Engineer; As Project Engineer, Mark helped Conсор provide assessment rehabilitation design services for the Central Mesa Interceptor. The system required rehabilitation of 10,500 feet of PVC lined RCP sewer lines ranging in size from 30 to 48 inches in diameter. Also included were 29 manholes. Rehabilitation design included CIPP and point repair for pipes and point repair of PVC liner and coatings for manholes. This was a CMAR project that included technical specifications, plans, bypass routing and pump location, utility coordination and right-of-way easement analysis. This project also included CA&I services.

Reference: TJ Welsh, 602.376.3411, tj.welsh@mesaaz.gov

BETHANY HOME ROAD 2ND AVENUE TO 2ND STREET & CENTRAL AVENUE , MARYLAND AVENUE TO BETHANY HOME ROAD; City of Phoenix, AZ; Project Engineer; As Project Engineer, Mark helped Conсор provide design and CA&I services for the installation of new water main replacements on streets within four quarter sections. Services included topographical survey, alignment evaluation and selection for the new water mains, water main profile and hydraulic design, connection of the new system to the existing system, and abandonment of the existing system in place. The design included 6,400' of 6", 8", and 12" DIP water mains, 29 new water valves, 12 fire hydrants, other associated appurtenances, new meters, pavement replacement, topo survey, alignment selections for the water-mains, water main profile and hydraulics design, and the design of connections to the existing system. Conсор provided on-site inspection as well as other administration services.

Reference: Aaron DiMaggio, 602.534.4198, aaron.di.magio@phoenix.gov

CURRENT AND POTENTIAL TIME COMMITMENTS:

- North Higley Lift Station, City of Mesa, AZ
- Sweetwater Avenue Sewer Relief, City of Phoenix, AZ
- Sewer Line Replacement, Town of Hayden
- Cholla Lane Sewer Diversion & Abandonment, City of Phoenix, AZ
- Lift Station Rehabilitations, City of Mesa, AZ
- Lift Station 58 Replacement, City of Phoenix, AZ
- Lift Station 50 Refurbishment CA&I, City of Phoenix, AZ
- 35th Avenue & Camelback Road Relief Sewer CA&I, City of Phoenix, AZ
- Zone 5EA 8-inch Waterline, City of Phoenix, AZ



NATHAN NUTTER, PE, PMP | Wells Lead

EMPLOYER

Conсор

REGISTRATION

- Professional Engineer
AZ #44720 (Civil),
#52220 (Mechanical)
- Project Management
Professional, Project
Management Institute
#3128716

TIME WITH FIRM

4 years

EXPERIENCE

24 years

STATE OF RESIDENCY

Arizona

EDUCATION

BS, Mechanical Engineering,
Stanford University

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Well Siting
- Well Design
- Well Troubleshooting
- Recharge Facilities
- Project Management

Nathan serves as Conсор's national well technical services lead. He has over 20 years of experience in planning, design, permitting, and construction administration of water supply, distribution, and groundwater treatment systems. He specializes in well/well site design and well technology advancements, including well field development and management, groundwater (potable) production wells, aquifer storage and recovery (ASR) wells, injection wells, vadose zone wells, and well condition assessment. Nathan has provided design, condition assessment, construction management, or siting for over 200 wells across the country. He has excellent relationships with Arizona hydrogeologists, contractors, and drillers and will leverage local resources to bring the best solutions to each project.

KEY PROJECT EXPERIENCE

NORTH PEORIA WELL FIELD PROGRAM; City of Peoria, AZ; Program Manager;

This program includes up to five new wells, transmission mains between sites, and a centralized treatment and booster pump station facility. As part of the initial phase of this program, Conсор provided the City with support in coordinating with Arizona State Land Department (ASLD) and CAP to gain access for drilling seven exploratory boreholes, five of which are to be selected for well drilling. As Program Manager, Nathan helped provide direction and oversight on schedule, risk management, delivery methods, and other program management activities

Reference: Chris Sterne, 602.540.2103, chris.sterne@peoriaaz.gov

PEORIA STADIUM TRAIL WELL; City of Peoria, AZ; Project Manager; The City of Peoria drilled a new well, the Stadium Trail Well (W118 [ADWR #55-236213]), to replace the old Peoria Sports Complex Well, which was abandoned for new development. As Project Manager, Nathan helped the City replace the old well which allowed for the new well to provided raw water for irrigation at the Peoria Sports Complex and the proposed Stadium Point Development. Although not within 660 feet of the old well, it served as an effective replacement. The well featured an 18-inch diameter 304L stainless steel casing, Roscoe-Moss louvered screen, and SiLi glass beads for filter pack material, with a permanent 2-inch sounding tube and feed tube. Testing showed a production capacity of 2,500 gpm, though permitted for 1,220 gpm or 1,967.8 AFY. The City's hydrogeologist recommended a pump size for 2,440 gpm at a 50% duty cycle, with a preference for 2,500 gpm. Arsenic levels tested at 0.0085 mg/L, necessitating arsenic treatment in the well site layout.

Reference: Lynne Stocker, 623.773.7516, lynne.stocker@peoriaaz.gov

MOHAVE COUNTY GVID REPLACEMENT WELL 2 (WELL 5) EQUIPPING PROJECT;

Mohave County, AZ; Project Manager; As Mohave County faced water shortages, prompting the need for a new well, Nathan helped provide design services for well equipping, including pump selection, discharge piping, site grading, and integration with the existing arsenic treatment system. Electrical system upgrades were also incorporated into the design. To meet the County's urgent timeline, the project was fast-tracked for bidding within 12 weeks of the design kick-off. Conсор also provided support through the bidding process and construction administration, helping to advance the project from design to implementation.

Reference: Jesse Roybal, 928.57.0910 x5086 (cell: 928.715.1221), Roybal@Mohave.gov

CURRENT AND POTENTIAL TIME COMMITMENTS:

- North Wellfield, City of Peoria, AZ
- Rio Verde Well 6, EPCOR, AZ
- STWTP Well 15R, City of Tempe, AZ
- ASR Well Design, Mountain House
- STWTP Well 15, City of Tempe, AZ



EMPLOYER

Conсор

REGISTRATION

- Professional Engineer
AZ #25972
- CFM #US-05-01701
- NASSCO #U-09-8388
(PACP/MACP)
- NASSCO #C-0036017-
022022 (ITCP/CIPP)

TIME WITH FIRM

25 years

EXPERIENCE

38 years

STATE OF RESIDENCY

Arizona

EDUCATION

BS, Civil Engineering, Arizona
State University

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Design and Construction
Experience
- Trenchless Design
Experience
- Trenchless Construction
Experience

MIKE HEATON, PE, CFM | Construction Manager

With more than 38 years of experience and more than 19 years as a project manager for Conсор, Mike has experience providing design and construction phase services through various types of contracts for the cities of Avondale, Buckeye, Chandler, Glendale, Mesa, Phoenix, Tempe, and Scottsdale. His recent experience includes thousands of feet of pipeline design and installation including water main, sewer main, inspections of pipes and manholes, identification and evaluation of pipe defects for a variety of pipe materials, evaluation of pipe conditions using ground penetrating radar technology, condition evaluation of sewer pipe segments, and rehabilitation plans. Mike's experience further extends to CA&I services, construction management services, including field inspections, shop drawing reviews, and requests for information.

KEY PROJECT EXPERIENCE

BETHANY HOME ROAD 2ND AVENUE TO 2ND STREET & CENTRAL AVENUE , MARYLAND AVENUE TO BETHANY HOME ROAD CA&I; City of Phoenix, AZ; Resident Engineer; Conсор provided design and CA&I services for the installation of new water main replacements on streets within four quarter sections. Services included topographical survey, alignment evaluation and selection for the new water mains, water main profile and hydraulic design, connection of the new system to the existing system, and abandonment of the existing system in place. The design included 6,400' of 6", 8", and 12" DIP water mains, 29 new water valves, 12 fire hydrants, other associated appurtenances, new meters, pavement replacement, topo survey, alignment selections for the water-mains, water main profile and hydraulics design, and the design of connections to the existing system. Conсор provided on-site inspection as well as other administration services. Mike Heaton provided oversight for all CA&I services for this project.

Reference: Aaron DiMaggio, 602.534.4198, aaron.di.magio@phoenix.gov

DOBBINS ROAD 24-INCH WATERLINE - 35TH AVENUE TO 27TH AVENUE; City of Phoenix, AZ; Surveyor; Conсор provided engineering services required to design and prepare a set of construction documents which consist of the design of approximately 5,150 LF of 16-inch water line that will connect water mains between 35th Avenue and 27th Avenue and provide other project features such as fire hydrants and distribution main interconnections. Conсор coordinated with subconsultants to provide aerial mapping and geotechnical engineering for the project. Conсор was also selected to provide CA&I for the project during construction. Conсор provided on-site inspection, material testing coordination, and other administration services. Mike Heaton provided oversight for all CA&I services for this project.

Reference: Scott Clark, 602.534.0455, scott.clark@phoenix.gov

35TH AVENUE 16-INCH WATERLINE: CARVER ROAD TO DOBBINS ROAD CA&I; City of Phoenix, AZ; Resident Engineer; Conсор provided CA&I services as well as engineering services to prepare a set of construction documents which consisted of the design and construction plans for approximately 5,150 feet of 16-inch diameter waterline, which connects water mains between Carver Road and Dobbins Road, and provided other project features such as fire hydrants and distribution main interconnections. Conсор coordinated with subconsultants to provide aerial mapping and geotechnical engineering for the project. Conсор provided on-site inspection, material testing coordination, and other administration services. Mike Heaton provided oversight for all CA&I services for this project.

Reference: Scott Clark, 602.534.0455, scott.clark@phoenix.gov

CURRENT AND POTENTIAL TIME COMMITMENTS:

- Large Diameter Grade 5 Manhole
Rehab CA&I, City of Phoenix, AZ
- 35th Avenue & Camelback Road
Relief Sewer, City of Phoenix, AZ
- Lift Station 50 Refurbishment,
City of Phoenix, AZ
- Lift Station 48, City of Phoenix, AZ



BRIAN JONES, PE | *Transportation Lead*

EMPLOYER

Conсор

REGISTRATION

- Professional Engineer
AZ #58901

TIME WITH FIRM

6 years

EXPERIENCE

18 years

STATE OF RESIDENCY

Arizona

EDUCATION

BS, Civil Engineering, Brigham
Young University

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Expertise in the design of all types of roadway facilities. (Urban, Rural, Freeways, Arterials, Collectors, Local Roads)
- Expertise in the design of transit facilities
- Expertise with the federal clearance process
- History with municipalities throughout Arizona

Brian has extensive experience in roadway design including full-width arterial improvements, half-street widening, intersection modifications, pavement rehabilitation, light-rail design, bus stop improvements, planning studies, project assessments, safety improvement studies, environmental studies, freeway design and interchange improvements. Brian has completed projects for the City of Phoenix, Valley Metro, MAG, ADOT, and several other agencies throughout Arizona and other states. Brian takes pride in keeping a project on schedule and works hard to stay ahead of issues that may cause delays. Brian's experience allows him to identify solutions to reduce costs, optimize the design, and maintain the schedule. Brian is committed to delivering a complete and thorough design. Brian understands the importance of regular communication and is committed to providing prompt responses to the client to make sure the client's goals are met, that risks are identified and communicated to the clients, and that concerns are quickly addressed.

KEY PROJECT EXPERIENCE

I-10 SPOT IMPROVEMENTS; ADOT; *Project Manager*; As Project Manager, Brian oversaw the steps to prepare PS&E documents to complete pavement rehabilitation at five major cross streets along the I-10 corridor for the design of this project. Improvements included removal and replacement of ADA curb ramps, curb & gutter, sidewalk and traffic signal loop detectors and installation of street lighting. The scope of services included topographic survey and delineation of right-of-way and creation of strip maps for the purpose of transferring right-of-way from ADOT to the City of Phoenix. The scope also includes environmental surveys to obtain NEPA clearance. Brian was able to coordinate with ADOT and the City of Phoenix to develop a scope that was able to be constructed within the allocated funding. Brian facilitated coordination between SRP and ADOT allowing the project to be advertised within the required schedule.

Reference: Michelle Medina, 602.712.6530, mmedina3@azdot.gov

GLENDALE AVENUE RECONSTRUCTION; City of Glendale, AZ; *Roadway Lead*; Conсор provided design and construction for the design-bid-build project to reconstruct Glendale Avenue from the east side of its intersection with 1st Avenue to ADOT's east right-of-way line at SR 101. Conсор also designed new 15- and 21-inch sanitary sewer pipes in Glendale Avenue concurrently that were constructed prior to the roadway reconstruction. This work was completed prior to the 2023 Super Bowl. As Roadway Lead, Brian oversaw and helped prepare the design for the removal and reconstruction of the existing roadway pavement, evaluating and upgrading ADA facilities, evaluating and replacing deficient or damaged curb, gutter, valley gutter, driveways, driveway aprons, sidewalk, and other infrastructure, as well as other items of work such as intersection grading, striping and markings, and utility coordination. Conсор facilitated weekly meetings between the City and JOC Contractor to identify and mitigate potential conflicts, discuss pricing and available materials, and review constructability. This enabled the City to meet the aggressive design and construction schedule.

Reference: David Beard, 623.930.3623, dbeard@glendaleaz.com

CURRENT AND POTENTIAL TIME COMMITMENTS:

- Brewer Road Shared Use Path, Sedona, AZ, ADOT
- Town of Duncan Resurfacing, Duncan, AZ, ADOT
- Main Street, US 70 to 1200 South, Pima, AZ, ADOT
- Yuma Shared Use Path, Yuma, AZ, ADOT
- US 95 Raised Medians, San Luis, AZ, ADOT
- Safety Improvements, Navajo County, AZ, ADOT
- Diamond Creek Road BNSF Crossing, Hualapai Tribe
- Nelson Road Improvements, Hualapai Tribe



JOHN BERGHIAN, PE, SE | *Structural Engineer*

John has more than 40 years of experience as a registered structural engineer. He will coordinate all structural engineering efforts. His engineering experience includes utility infrastructure evaluation and design, lift stations, pumping, pipeline improvements, and wind and seismic lateral analysis. He has also provided building design, American Institute of Steel Construction (AISC) steel connection design, reinforced concrete and retaining wall design, structural distress investigation and structural evaluations of new and existing facilities, special structural inspection, forensic studies, and preparation of construction plans and specifications. John has also provided structural design for a wide range of infrastructure projects in compliance with International Building Code (IBC), American Association of State Highway and Transportation Officials (AASHTO), and American Society of Civil Engineers (ASCE) provisions.

EMPLOYER

Conсор

REGISTRATION

- Professional Engineer
AZ #24332
- Structural Engineer
AZ #20398
- Registered Architect
AZ #24633
- NASSCO #U-901-07005374
(PACP/MACP/LACP)

TIME WITH FIRM

15 years

EXPERIENCE

41 years

STATE OF RESIDENCY

Arizona

EDUCATION

BS, Civil Engineering, Arizona State University
Chi Epsilon Civil Engineering Honor Society

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Aviation Designer for more than 150 Airport Capital Improvement Projects (ACIP). Including (7) Projects at the Buckeye Municipal Airport and (3) Projects at the Glendale Regional Airport
- AutoCad Proficiency
- Enercalc Proficiency
- Eriksson Culvert Proficiency
- Risa 3D Proficiency

KEY PROJECT EXPERIENCE

EPCOR RIO VERDE, AZ WELL NO. 6 REHABILITATION; EPCOR, AZ; *Structural Engineer-of-Record*; John provided structural engineering analysis and design to expand the existing potable system Well No. 6 site that was identified in Conсор's Rio Verde Wells Assessment report, October, 2023. Specific designs included a 14-foot tall masonry screen wall enclosure and slide gate, reinforced concrete retaining walls and sump pit, metal stair flight, and reinforced concrete slab design capable of supporting a 11,460 gallon backwash tank, two 4,800 gallon pressure vessels, and a gas chlorination shed. Design included a detailed wind loading analysis per ASCE provisions.

Reference: Fred Rustam, PE, 602.239.4107, FRustam@epcor.com

5TH AVENUE AND U STREET PUMP STATION UPGRADES; Salt Lake City, UT; *Engineer-of-Record/ Architect-of-Record*; John was the engineer-of-record on this Salt Lake City pump station project. John provided design upgrades to an existing domestic water pump station at 5th Avenue and U Street. The pump station provides essential emergency clean water services to 4,700 customers during power outages. Conсор delivered a complete design including the addition of a backup generator, electrical control system, architectural and structural design of an 800-square-foot generator building, seismic upgrades and structural enhancement to the existing pump station, aesthetics, and access improvements. Design included gravity, wind and seismic lateral analysis, reinforced masonry and concrete, and structural steel. John attended and participated in public involvement and City coordination meetings and provided post-design services including shop drawing review and site inspections.

Reference: T. Dimond Zollinger, PE, 801.483.6766, Dimond.Zollinger@sclgov.com

DIVERSION STRUCTURE REHABILITATION; City of Mesa, AZ; *Structural Engineer-of-Record*; John was the Engineer of Record for this project. Services provided were the structural engineering analysis and design for the rehabilitation of eight (8) buried wastewater diversion structures. Designs included installation of FRP stop gates and grating, and refurbishment of concrete benches.

Reference: Adam Cordero, PE, 480.644.3396, Adam.Cordero@mesaAZ.gov

GREENFIELD AND FRYE BYPASS VAULT; Town of Gilbert, AZ; *Structural Engineer-of-Record*; John was the Engineer of Record for this project. Services provided were the structural engineering analysis and detailing for the design of a buried cast-in-place reinforced concrete wastewater bypass valve vault. Analysis complies with AASHTO LRFD Bridge Design Specifications for HS20-44 live and impact loads. Also included was the design of reinforced concrete pipe anchor restraints.

Reference: Steve Notch, 480.296.5134, steve.notch@gilbertaz.gov

CURRENT AND POTENTIAL TIME COMMITMENTS:

- Rio Verde Well, EPCOR, AZ
- Vault Improvements, Jordan Valley, UT
- Greenfield and Frye Bypass Unit, Town of Gilbert, AZ
- SRO Condition Assessment, City of Phoenix, AZ
- ST. Michaels Sewer Rehab, NTUA, AZ



ANN QUENZER, PE | *Utility Planning & Modeling*

Ann brings almost 30 years of experience leading and participating in water and sewer projects, from completing field work to design and modeling. These efforts aim to provide regulatory compliance, increase resiliency, and identify CIP projects for future increased population projections and proposed developments. She leverages her diverse combination of field experience and operational understanding to provide clients with hydrology and hydraulic models optimized to best fit their systems. Her effective communication style and understanding of how the real world works along with analyzing the model results allows for capital improvement projects that fit utility's needs considering budget, schedule, and constructability. She is currently Consor's national utility planning leader responsible for staff career development, technology implementation, quality control, and growing the program in new market areas.

EMPLOYER

Consor

REGISTRATION

- Professional Engineer
WA, CO, OR

TIME WITH FIRM

3 years

EXPERIENCE

30 years

STATE OF RESIDENCY

Colorado

EDUCATION

MS, Civil Engineering,
University of Texas Austin
BS, Civil Engineering, South
Dakota State University

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- Sewer Collection System
Modeling and Planning
- Stormwater System
Modeling and Planning
- Water Distribution
System Planning
- 1S/2D Modeling
- Capital Improvement
Planning
- Operations and
Maintenance Planning

KEY PROJECT EXPERIENCE

COLLECTION SYSTEM AND WATER DISTRIBUTION MASTER PLANNING; *City of Pendleton, OR; Principal Engineer and Project Manager;* As the Principal Engineer and Project Manager, Ann and the Consor team worked collaboratively with the City of Pendleton, OR to update their drinking water treatment, water distribution, and wastewater collection master plans. The City and Consor worked to identify and define future development impacts looking at build-out conditions; optimized aquifer storage and recovery (ASR) operational alternatives; developed innovative solutions for future regulatory changes; balanced funding options; and set a holistic road map for the City's utility divisions to prioritize improvements and maintain customer cost.

Reference: Jeff Brown, 541.966.0207, jeff.brown@pendletonor.gov

STORM DRAINAGE MASTER PLAN UPDATE AND RATE STUDY; *City of Woodburn, OR; Project Manager;* As Project Manager, Ann helped prepared a Storm Drainage Master Plan Update and Rate Study for the City of Woodburn. The Plan included updating the City's GIS asset database, mapping of storm drainage facilities, and creating capital improvement projects. Work included a condition assessment of the physical pipe network and outfall structures as well as a natural system assessment. Capital improvement projects relied on historical knowledge from the City, condition assessments as well as requirements mandated by the total maximum daily loads regulations. Worked closely with the City to complete an alternatives analysis for improvement projects. The project included coordination with the wastewater facilities master plan since the storm drainage operations and maintenance is within this department.

Reference: Curtis Stultz, 503.982.5268, Curtis.Stultz@ci.woodburn.or.us

WASTEWATER MASTER PLAN UPDATE; *Springfield, OR; Project Manager;* As Project Manager for this project, Ann helped update the City of Springfield's Wastewater Master Plan. The work includes reviewing capacity issues, operations and maintenance procedures, and known problem areas. Future conditions include urban growth boundary changes, zoning changes, septic sewers connection to City system, and factoring in the Oregon House Bill 2001. Future conditions include review of climate impacts, increased rainfall intensity, and frequency.

Reference: Jeff Paschall, 541.726.1674, jpaschall@springfield-or.gov

CURRENT AND POTENTIAL TIME COMMITMENTS:

- General Sewer plan, City
of Vancouver, WA
- Water Distribution System
Plan, City of Arvada, CO



KARL MORTENSEN, RLS | *Registered Land Surveyor*

With over 41 years of experience, Karl leads the Consor survey department. His knowledge of boundary and legal principles, as well as the public land system, has allowed him to provide reliable services throughout the valley. His expertise involves global positioning system networks, static processing, real-time kinematic satellite navigation, total stations, boundary surveys, American Land Title Association (ALTA) requirements, CAD programs, drafting, topography, construction staking, and geodetic control.

EMPLOYER

Conсор

REGISTRATION

- Registered Land Surveyor #25393

TIME WITH FIRM

11 years

EXPERIENCE

41 years

STATE OF RESIDENCY

Arizona

EDUCATION

N/A

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- GPS
- Static Processing
- Boundary Surveys
- ALTA Survey
- Geodetic Control
- Construction Staking

KEY PROJECT EXPERIENCE

DOBBINS ROAD 16-INCH WATERLINE - 43RD TO 35TH AVENUE; City of Phoenix, AZ; Surveyor; Consor provided engineering services required to prepare a set of construction documents which consist of the design of approximately 5,240 LF of 16-inch water line which will connect water mains between 43rd Avenue and 35th Avenue, and provide other project features such as fire hydrants and distribution main interconnections. Consor coordinated with subconsultants to provide aerial mapping and geotechnical engineering for the project. Consor was also selected to provide CA&I for the project during construction. Consor provided on-site inspection, material testing coordination, and other administration services. Karl oversaw all survey work for this project.
Reference: Scott Clark, 602.534.0455, scott.clark@phoenix.gov

GLENDAL PHASE 6 AREA 2 RELIEF SEWER DESIGN; City of Glendale, AZ; Survey Manager; Consor provided engineering services for the design and development of construction documents for 3,500 feet of new relief sanitary sewer. This project was designed in response to ongoing and future development that will generate sewage flows in excess of the available capacity in the City's system. Work included hydraulic analysis to confirm upsizing of sanitary sewer pipe from 12-inches in diameter to 15-inches in diameter. Other work included survey, right-of-way analysis, utility coordination, technical specifications, and cost estimate. Karl oversaw all survey work for this project.

Reference: Mark Fortkamp, 623.930.4117, MFortkamp@glendaleaz.com

DOBBINS ROAD 24-INCH WATERLINE - 35TH AVENUE TO 27TH AVENUE; City of Phoenix, AZ; Surveyor; Consor provided engineering services required to design and prepare a set of construction documents which consist of the design of approximately 5,150 LF of 16-inch water line that will connect water mains between 35th Avenue and 27th Avenue and provide other project features such as fire hydrants and distribution main interconnections. Consor coordinated with subconsultants to provide aerial mapping and geotechnical engineering for the project. Consor was also selected to provide CA&I for the project during construction. Consor provided on-site inspection, material testing coordination, and other administration services. Karl oversaw all survey work for this project.

Reference: Scott Clark, 602.534.0455, scott.clark@phoenix.gov

CURRENT AND POTENTIAL TIME COMMITMENTS:

- Sewer & Manhole Rehab, Phase 7, City of Glendale, AZ
- Lift Station Rehabilitation, City of Mesa, AZ
- Sewer Line Replacement Project, Town of Hayden, AZ
- WMR: Osborn Road to Earll Drive & 40th Street to 44th Street, City of Phoenix, AZ



JORGE GERARDO, PE | EIC Lead

Jorge has over 24 years of experience providing electrical design, engineering, and construction services. Jorge has been a part of DARcor's success in Phoenix, Arizona since 2001. Specific areas of expertise include power distribution and control systems, technical reports, SCADA, radio telemetry, PLCs, instrumentation, industrial communication protocols, fiber optic systems, radio path studies, variable frequency drives, motor controllers, and power studies.

EMPLOYER

DARcor

REGISTRATION

- Professional Engineer (Electrical) AZ #53839, NV, NM, CO, CA, TX

TIME WITH FIRM

24 years

EXPERIENCE

24 years

STATE OF RESIDENCY

Arizona

EDUCATION

BSEE, Electrical Engineering, Arizona State University Leadership Engineering Administration Program (LEAP)

UNIQUE SKILLS/QUALS TO BENEFIT THIS PROJECT

- The Town's Solar Photovoltaic System Inspector & Plan Reviewer Since 201 via GHD & Direct with the Town
- AZ Water Association's 2020 Wastewater Treatment Project of the Year O Wickenburg South WWTP Aeration Upgrades
- Design and Construction oversight on more than 150 WW Pumping and Treatment Facilities, 120 Water Pumping and Storage Facilities, and 90 Water Production Wells
- SCADA System Design/ Radio Path Studies
- NEPA 820- Standard for Dire Protection in WWT & Collection Facilities
- International Energy Conservation Code
- Electrical Inspections & CA&I

KEY PROJECT EXPERIENCE

WICKENBURG SOLAR PHOTOVOLTAIC PLAN REVIEW/INSPECTIONS (2021-2025); *Town of Wickenburg, AZ; Inspector and Plan Reviewer;* Responsibilities include technical design review of solar photovoltaic system permit plans submitted that are within the Town's electrical grid to determine compliance with National Electrical Code, Town of Wickenburg's zero export policy, and other applicable industry standards. Additional services provided include inspections and confirmation of zero export functionality to prevent exporting excess power back onto the Town's electrical grid.
Reference: Matt Egan, 928.668.0559, megan@wickenburgaz.gov

TYLER RANCH WASTEWATER LIFT STATION (2022-2025); *Blandford Homes, Entellus Construction Services, LLC; Technical Design Reviewer;* Responsibilities included technical design review of a new lift station's electrical, instrumentation, and controls design as a part of the Developer's CA&I services team. Services included review of the engineer's 90% design and 100% design construction documents to determine if they complied with National Electrical Code, NFPA 820 Standards, City of Mesa's design and specification standards, and other applicable industry standards.

The project is currently in construction and construction administration services being provided include attending meetings, reviewing submittals/shop drawings, reviewing O&M manuals, making site observations to verify proper installation and operation, witnessing instrument calibration, I/O loop testing, and assisting with startup and testing.
Reference: Cliff Berry, 480.204.3579, cliff@blandfordhomes.com; Michael G. Colland, 602.244.2566, mcolland@entellus.com

SEWAGE LIFT STATION IMPROVEMENTS (2023-2025); *City of Chandler, AZ; Electrical Engineer;* Darcor is serving as the electrical engineering subconsultant as part of the City of Chandler's Construction Management Team with Entellus for improvements to 9 of the City's existing sewage lift stations designed by Brown & Caldwell. We performed a constructability review and provided comments on the lift station's electrical, instrumentation, and control designs to determine if they complied with the National Electrical Code, NFPA 820 Standards, the City of Chandler's design and specification standards, and other applicable industry standards. The project is currently in construction and construction administration services being provided include attending meetings, reviewing submittals/shop drawings, reviewing O&M manuals, making site observations to verify proper installation and operation, witnessing instrument calibration, I/O loop testing, and assisting with startup and testing.
Reference: Melanie Sikes, 80.782.3395, melanie.sikes@chandleraz.gov; Michael G. Colland, 602.244.2566, mcolland@entellus.com

CURRENT AND POTENTIAL TIME COMMITMENTS:

- Orayvi Water & Wastewater Equipping
- Stanfield Wells 1 & 3 Water Treatment Equipping, Arizona Water Company
- Merrill Ranch Water Campus Equipping, Town of Florence, AZ
- Rio Verde BPS, EPCOR
- GRIC San Tan Casino Water Production Facility Reverse Osmosis Treatment Equipping
- Central Water Reclamation Facility Expansion, City of Buckeye, AZ