

DB PROJECT MANAGER

Steve
Flett



+ Project Experience References



Geren Island WTP Improvements

City of Salem
555 Liberty Street SE, Rm 325, Salem, OR 97301
John Kennedy, Consultant Project Manager
503-434-3681 // jkennedy@cityofsalem.net



Spring Street Sewage Treatment Plant

City of Klamath Falls
1200 South Spring Street, Klamath Falls, OR 97601
Mark Willrett, Director of Public Works
541-883-5364 // willrett@klamathfalls.city

>> Detailed project experience write-ups continued on next page

EXPERIENCE

+ 27 years

REGISTRATION/LICENSES

+ Oregon Engineer-in-Training
(#9649)

EDUCATION

+ BS Construction Engineering
Management, Oregon State
University, 1992

Why We Chose Steve to Lead this Team

Value Delivered as DB Project Manager

With Steve you get a proven construction leader who has the extensive technical experience and local knowledge needed to deliver a WTP that meets and exceeds your objectives.

Relationship with the Team

- Strong experience working with Carollo and the entire team.
- Knows the capabilities of each team member and what to expect.

Similar Project Experience

- Oregon and Pacific Northwest Treatment Plant Experience
- Construction and startup of conventional, high-rate and membrane water treatment technologies.
- Alternative delivery, GMP, and open book contracting

Responsibilities

- Primary point of contact for Owner and Engineer.
- Design review for all milestone deliverables.
- Advise of cost and time savings where applicable.

Career Highlights

- Steve's experience involves in the construction of 20 treatment plants, 13 of which were alternative delivery.

Extraordinary Outcomes

- On the Geren Island WTP project, Steve was instrumental in value engineering efforts that saved the City more than \$3.7M.

+ Project Experience

Geren Island Water Treatment Plant Improvements

City of Salem, OR

Preconstruction Manager // This fast-tracked \$49M CM/GC project for the City of Salem is needed to address the presence of algal toxins in the drinking water supply. This project includes the addition of intermediate ozone facilities, expansion of groundwater collection systems, and various upgrades to the operational control systems. Schedule is the main driver on this project to provide an operational ozone system in the spring of 2021 prior to the algal toxin season. Steve led his team in the development and execution of a complex project delivery and procurement plan to meet the required schedule timelines and enable construction to proceed at the earliest possible date. This project delivery plan included 11 early work amendments and included procurement of long lead equipment, site investigations, and critical early plant improvements. This approach allowed Slayden to proceed with on-site work approximately three months after receiving the notice to proceed with preconstruction services just after the 30 percent design milestone. preconstruction services for the project have been recently completed. He was instrumental in value engineering efforts that saved the City over \$3.7M.

Joint Water Commission Water Treatment Plant

Joint Water Commission, Hillsboro, OR

Preconstruction Manager // This \$27.3M CM/GC project for the Joint Water Commission (JWC) WTP Expansion Project was separated into two distinct construction packages each requiring a separate GMP Amendment. The first GMP addressed life/safety upgrades and the second GMP included various upgrades to the plant to increase the capacity from 75 to 85 mgd. The initial estimate at the 30 percent design milestone was \$35.8M which exceeded the Owners budget by over \$5M. Through Steve's oversight and leadership, the project team identified, vetted, and incorporated value engineering items to reign the project back within acceptable budget limits. Additional efforts throughout the balance of the design progression yielded further savings resulting in a guaranteed maximum price of \$27.3M.

Kellogg Creek Wastewater Treatment Plant Improvements

Water Environmental Services, Milwaukie, OR

Preconstruction Manager-Project Principal

// This \$18.6M CM/GC project was needed to reclaim lost hydraulic capacity, provide reliability for the treatment facility while addressing goals to reduce, noise, odor, and energy usage. Extensive renovations were required for the existing facilities in and around an active treatment process in a very constrained site adjacent to a heavily used park. Steve led the team during preconstruction to provide cost effective solutions for the plant upgrades followed by project oversight during the construction period all in a manner to minimize impacts to the treatment process and park usage.

Spring Street Sewer Plant

City of Klamath Falls, OR

Design-Build Project Manager // The City of Klamath Falls requires significant upgrades to the Spring Street STP due to aging facilities as well as upgrades to meet new discharge permit requirements. The objective of this PDB project is to provide reliable and efficient wastewater treatment to the City of Klamath Falls service area and develop sufficient capacity to meet future capacity requirements. Due to the PDB delivery model this project required extensive collaboration to not only develop the scope of the project but coordinate with regulatory agencies such as the Oregon DEQ and the EPA. The design-build team was initially directed to design the upgrades in accordance with an Owner provided facility plan however due to updated discharge permit requirements as well as budgetary issues the Design-Build team proposed an alternate plant design with innovative treatment processes. This design, coupled with extensive value engineering efforts, resulted in the ability to treat to the more stringent permit requirements yet still deliver the plant within the tightly constrained City budget.



I am excited to leverage my experience in constructing and delivering successful treatment plants. I look forward to working side-by-side with Carollo and the City to provide Grants Pass with a reliable water treatment facility that meets all of your objectives and delivered within budget."

- Steve Flett
DB Project Manager

+ Project Experience

Tri City Water Pollution Control Plant, Phase I

Water Environmental Services, Oregon City, OR

Construction Manager/Preconstruction Manager // This \$78M CM/GC project included new structures and mechanical installation for an intermediate pumping station, fine screening, aeration basin, blower building, and submerged membrane. During the preconstruction phase, extensive collaboration between Slayden Construction, Water Environmental Services, and MWH ensured the design and construction costs would fit within the budget.

Bend Solids Handling Improvements

City of Bend, Oregon

Preconstruction Manager-Project

Principal // This \$10.2M CM/GC project consisted of improvements to the solids handling portion of the plant including installation of dewatering centrifuges, cakes pumps, grinder, dewatering polymer blending units, relocation of existing thickening polymer unit, new polymer and electrical buildings, transformer, and the associated motor control centers, variable frequency drives, control panels, instrumentation, strainers, valves, actuators, piping, coating, and supports associated with the new work. This new dewatering system was housed in an existing building and therefore selective demolition was performed and facilities were removed including belt filter press, polymer system, valves, piping, and existing electrical and instrumentation equipment. Miscellaneous structural modifications and yard/grading modifications to accommodate the new work is also required. Work includes repair and reconstruction of existing improvements affected by the Work, recoating of the existing steel members, and incidentals for complete and usable facility. The work was performed while allowing continuous dewatering of solids using a temporary mobile belt filter press. Close coordination was required with plant operations to ensure no interruptions to their dewatering operations.

Salem ASR Improvements at Woodmansee Park

City of Salem, OR

Preconstruction Manager-Project

Principal // This \$8M CM/GC project for the City of Salem was needed for improvements at their secondary water source at a city park. This project involved the construction of a new treatment facility, yard piping, transmission mains, site improvements and park improvements. The new treatment facility provided added treatment to the city water source that was being stored underground before being distributed to the water system for usage. The water transmission main was installed down a busy main roadway and the treatment facility was installed in a heavily used city park. Extensive planning occurred during preconstruction that resulted in minimal impacts to park usage, public traffic, and the surrounding businesses.

Sunriver Wastewater Treatment System Upgrades

Sunriver Environmental, Sunriver, Oregon

This \$16M CM/GC project in the central Oregon resort community of Sunriver was needed to meet more stringent discharge permit requirements to achieve class A recycled water standards. The project includes the installation of a new Headworks Building which will house two fine screens and two grit vortex chambers and the construction of a new Membrane Bioreactor Building to house the new membrane bioreactors associated equipment. This project also includes the decommissioning of the existing headworks and two existing clarifiers. Through the use of extensive value engineering we were able to meet their stringent budget constraints for this private utility. Close coordination was required to minimize any impacts to not only the treatment process but to the surrounding resort residents.



Cost certainty, achieving best value, effective collaboration, and meeting critical milestones were all important factors to the City of Salem during the preconstruction phase. The Slayden preconstruction team, led by Steve Flett, excelled in all areas. Their processes coupled with their ability to understand the work allowed them to not only provide meaningful and impactful constructability and value engineering ideas, they also develop accurate and reliable milestone estimates.

It has been a pleasure to work with Slayden Constructors during the preconstruction phase. I would not hesitate to recommend the Slayden team for future projects.”

*- John D. Kennedy
Consultant Project Manager
City of Salem*