



City of West Plains
1910 Holiday Lane
West Plains, Mo.
417.256.7176

June 8, 2026

To: Sam Anselm, City Administrator
Kellie Mayers City Clerk

From: Shayne Eades, Utilities Director

Re: Wastewater Treatment Plant OxyLift Aeration System Installation

Executive Summary

The purpose of this request is to authorize the installation of the Jaeger Aeration OxyLift System at the City of West Plains Wastewater Treatment Plant to improve treatment efficiency, increase system reliability, and support continued compliance with wastewater treatment requirements.

Discussion

The existing aeration equipment at the Wastewater Treatment Plant has reached the end of its useful service life and requires replacement to maintain reliable operation of the treatment process. The proposed project will install the owner-supplied Jaeger Aeration OxyLift System, including aeration bridges, blowers, stainless-steel air piping, electrical systems, and all associated mechanical and electrical components necessary for a complete and operational system.

To reduce the overall project cost, the City will accept Value Engineering Options 1, 2, 3, 4, 5, and 7. These options include the City completing the chain-link fence replacement and seeding and mulching, retaining rotor #3 while removing only rotor #4, leaving the crane pad and access road in place after construction, and removing the crane rental allowance from the contract. These changes reduce the contract amount while maintaining the overall functionality and performance of the new aeration system.

Completion of this project will improve oxygen transfer efficiency, enhance treatment reliability, reduce long-term maintenance costs, and provide a more energy-efficient treatment process for the City's wastewater system.

Fiscal Impact

The total cost of the OxyLift Aeration System installation is \$1,437,119 after acceptance of the selected Value Engineering Options. Funding is available within the Wastewater Department Equipment budget and will be charged to the appropriate capital project account. Completion of



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this project will provide long-term operational savings while improving the reliability and efficiency of the City's wastewater treatment facilities.

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June 29, 2026

Timothy Boone
City of West Plains
1910 Holiday Lane
West Plains, MO 65775

RE: Installation of an OxyLift Upgrade system with bridge access as designed by Jaeger-Aeration

Tim,

Per your request, below is our pricing and descriptions for installing an OxyLift Upgrade system with bridge access designed by Jaeger-Aeration for the West Plains Wastewater Treatment Plant.

Installation of owner supplied Jaeger-Aeration's OxyLift system and bridge access per attached drawings

Installation of owner supplied blowers
Installation of all necessary stainless-steel piping from the blowers to the bridge and connection to the bridge

Construction of a concrete control building. This building will be all concrete with 8-inch walls and top with a 4-inch floor. Interior insulation and facing to mount all lighting and electrical components. There will be a mini split HVAC System installed with thermostat installed. The main control panel, a transformer, and lighting panel will be installed there.

McClanahan will build an access road from the existing gate to a 50' x 50' dirt pad by McClanahan to allow 250-ton crane access and supporting trucks and trailers for the crane. A laydown area will also be there to allow McClanahan to pour the concrete bases and pads necessary for installation of the Jaeger system. Roads and pad will have sufficient compaction and aggregate bedding to allow access without falling into the mud or soft dirt. The trucks feeding the crane and the crane itself are extremely heavy.

McClanahan can offer a deduct to leave these improvements in place instead of removing at the end of the project if desired.

All fill will come from the owner's land.

McClanahan has approximately 2 months of crane rental for the installation of the Aeration bridge and all related components. Once the crane is mobilized the rent starts and does not turn off on rain days or for any other reasons until the crane is removed from site.

Fully engineered electrical drawings and service will be provided and as built upon completion.

Upon completion of the project all areas will be returned to prior conditions unless owner desires otherwise.

McClanahan has schedule availability and could be on site by 7-20-26 to start dirt pad and road construction if approved and would hope to be on line in 120 days fully complete in 180.

Total	\$1,577,000
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Value Engineered Alternates:

City to remove and replace existing chain link fence	-\$12,000
City to seed and mulch	-\$16,000
Remove only rotor #4, keep #3 in place	-\$ 3,500
Leaving crane pad*	-\$50,000
Leaving road*	-\$10,000
Aggregate materials for crane pad and road*	-\$30,000
Concrete control building**	-\$60,000
Crane rental ***	-\$200,000

*The road and crane pad will have rock on top in varying thickness to support the crane and the 4-5 support trucks. You could harvest the rock materials and stockpile to reuse as best you can. We intended to try and separate them and stockpile for owner to use later if road and pad are removed. Or if road and pad are left in place much of the rock could still be reused depending on how soft the ground is during activities.

**Attached are Control building sketches for a similar building we installed on another project. With this deduct, I would only provide a concrete floor with footings underneath ready for a stick frame or prefab building to set on top. The proposed building would be 10' x 16'. Cost savings are listed. There have been a few minor changes on this drawing but it gives you the gist of it. There would be a mini split HVAC in the building.

***This the amount of crane rental I have in the project. It allows me approximately 384 hours of crane time with an operator. Some of this cost is overtime as McClanahan intends to work (5) ten to twelve hour days while the crane is there to ensure we can get done. My viewpoint on crane rental: right now you have a hard number. If it takes less time, I keep the difference but if it goes long it is \$28,000 per week on a weekly

rental basis. If we get rains that cause the ditch to overflow and we cannot work we still have to pay for the crane. You could save some money but it is also quite a potential liability.

Patrick McClanahan, President
McClanahan Construction Co., Inc.
417-838-3166

Notes:

It is the intent to provide the installation of a complete and operable system ready for use in the installed basins. McClanahan is providing installation and startup of the owner supplied Jaeger Aeration system including Bridge, Diffusers, Mixers, Blowers, Control Panels and instrumentation. We will construct a control building with HVAC system and lighting, provide the electrical engineering, and installation of all conductors and conduit per standard codes. McClanahan will provide start up on the installed equipment with the owner's equipment vendors.

INCLUDED:

Demolition and removal of motors #3 and #4
Concrete and rebar for all ballast pads, blower pads, sidewalk and or paving repair
Hoisting for all equipment items
Piping from blowers to the bridge connection
Excavation to build a pad on the north side of basin for crane set up and staging.
Removal of pad and road back to borrow area. Seeding and mulch for disturbed areas.
Electrical as stated
Electrical, Mechanical, and site as built drawings

EXCLUDED:

Permits
Bonding - can be provided upon request
Anything not listed as included
Providing any Equipment
Process guarantees
Instrumentation
SCADA wiring conduit or programming
Cleaning and removal of sludge inside of existing basins outside of what's necessary for installation of equipment
Air piping, air valves, and/or fittings on the Aeration Bridge