

HORNER SHIFRIN

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February 25, 2026

Mrs. Janet Sanders
Public Works Director
City of Jackson
101 Court Street
Jackson, MO 63755

**Re: Task Order Authorization No. 19-04 Increase in Expenditures
to Provide Professional Engineering Services for The Water System Facility Plan
Implementation Program – Phase 2 for the City of Jackson, MO
Amendment No. 10 – Ridge Road Water Tank**

Dear Mrs. Sanders:

The Amendment No. 10 to the above Task Order Contract is requested to provide additional engineering services for the design, bidding, and construction phase services related to the design of the new Ridge Road Water Tank.

Based on the additional scope of work required for the Ridge Road Water Tank, with the detailed scope and fee detailed on Exhibit A attached, the additional fee request is as follows:

New Ridge Road Design, Bidding, and Construction Fee	\$240,300
Original Ridge Road Tank DBM fee remaining	<u>-\$20,496</u>
Requested Amendment No. 10 fee	\$219,804

Please note that included a fee of \$63,954 for Shannon & Wilson, Inc. to perform a geophysical survey to evaluate the potential of karst at the proposed tank site. This is being done since we encountered karst when the Hwy 61 North Tower was built, requiring the tower to be shifted on the site to avoid the karst area. Karst in the area is prevalent as seen at nearby quarries. This evaluation will not only identify the karst areas (if any) we need to avoid but also allow the geotechnical engineer to identify in more detail the site subsurface conditions which will result in a reduced foundation size for the tank, saving the city the cost of this investigation or more during tank construction.

The below summarizes the H&S design fee to date for the entire Water System Facility Plan Improvements project from inception in January 2016 to today:

Original Contract	\$346,800
Contract Amendment 1	\$ 60,100
Contract Amendment 2	\$233,173
Contract Amendment 3	\$ 9,540
Contract Amendment 4	\$ 79,600



Contract Amendment 5	\$ 31,900
Contract Amendment 6	\$ 85,900
Contract Amendment 7	\$ 2,800
Contract Amendment 8	\$ 30,600
Contract Amendment 9	\$ 500
Contract Amendment 10	\$219,804
Total Contract to Date	\$1,100,717

We appreciate the opportunity to continue to serve the City of Jackson under our existing task order agreement for engineering services. Please call me to discuss any questions regarding our proposed scope or fee proposal.

Respectfully Submitted,

James E. McCleish, P.E.
Senior VP, Senior Fellow - Water

Lisa Fennewald, P.E.
Project Manager

Enclosures

**CITY OF JACKSON, MISSOURI
300,000 GALLON WATER STORAGE TANK AT RIDGE ROAD
ENGINEERING FEE ESTIMATE**

Prepared By: LEFENNEWALD

Cost Center	Task No.	Task Description	Task M.H.	Task Cost	Labor Classification							
					Ziegler, William	Fennewald, Lisa	Visintine, Brian	Ritchason, Daniel	Gottschlich, Emma	Kuno, Todd	Pierce, Don	
					WP02	WP03	WT01	WP07	WP13	BP05	BT04	
DESIGN BASIS MEMORANDUM												
Water	1	Coordination with subconsultant (Shannon & Wilson, Inc.) to perform geophysical survey.	4	\$920		4						
Water	2	Review geophysical report and submit to City.	4	\$960	2	2						
Water	3	Teams meeting with City staff to review geophysical investigation findings.	2	\$460		2						
Water	4	Coordinated site topographic survey work with subconsultant (Strickland Engineering), including survey of I-55 tank foundation elevations.	6	\$1,270		4	2					
Water	5	Perform field reconnaissance for tank, main extension, and access road location and review SCADA modifications with the City.	6	\$1,380		6						
Water	6	Evaluate and confirm tank height to match I-55 tower overflow elevation, and confirm main size to tank with City.	4	\$810		2	2					
Water	7	Determine FAA requirements.	7	\$1,040		1			6			
Water	8	Compare Facility Plan tank size recommendation to 2025 demands to confirm tank size.	5	\$770		1			4			
Water	9	Prepare life cycle cost analysis of single pedestal versed multi-column elevated tank.	10	\$1,730		4			6			
Water	10	Review options for mixing to improve contact time and reduce water age and identify tank appurtenances.	10	\$1,540		2			8			
Water	11	Evaluate tank electrical needs and controls for tank operation.	4	\$720				4				
MEP			6	\$1,100						4	2	
Water	12	Prepare Design Basis Memorandum (DBM) to summarize the above evaluation. The report will summarize previously prepared hydraulic analysis prepared under previous reports (20-Year Facility Plan Development) to demonstrate the need for additional system storage per MDNR requirements. Submit to City.	20	\$4,000		12	4		4			
Water	13	Conference call with City to review DBM comments.	2	\$460		2						
Water	14	Finalize DBM and submit to City.	2	\$460		2						
Water	15	Administer and manage project DBM tasks including QA/QC of work performed.	12	\$2,840	4	8						
		Subtotal	104	\$20,460	6	52	8	4	28	4	2	
DESIGN PHASE												
Water	1	Coordinate geotechnical boring requirements and locations.	4	\$920		4						
Water	2	Coordinate survey of boring location and elevations.	6	\$1,190		4			2			
Water	3	Coordinate with tank manufacturers.	6	\$1,000		2			4			
Water	4	Develop 60% plans and submit draft plans to City for review	96	\$17,520		24	48	8	16			
MEP			24	\$3,760							8	16
Water	5	Prepare 60% contract documents and technical specifications to the City for review.	58	\$11,140		32		6	20			
MEP			20	\$3,240							8	12
Water	6	Meet with City and City's integrator to discuss SCADA requirements (Teams).	10	\$2,000		4		6				
Water	7	Meet with the City to review comments (Teams).	2	\$460		2						
Water	8	Finalize plans and specs to 95% completion and submit to City for review.	54	\$9,880		16	20	6	12			
MEP			10	\$1,620							4	6
Water	9	Teams call with City to review comments.	2	\$460		2						
Water	10	Prepare engineer's opinion of probable construction cost and submit to the City.	14	\$2,350		4	2		8			
MEP			4	\$840							4	
Water	11	Incorporate final review comments from the City into the plans and specs.	10	\$1,700		2	4		4			
Water	12	Prepare and submit MDNR Construction Permit Application.	6	\$1,000		2			4			
Water	13	Address any MDNR comments and submit final plans and specs to City.	6	\$1,080		2	2		2			
Water	14	Administer and manage project Design Phase tasks including QA/QC of work performed.	16	\$3,840	8	8						
		Subtotal	348	\$64,000	8	108	76	26	72	24	34	

**CITY OF JACKSON, MISSOURI
300,000 GALLON WATER STORAGE TANK AT RIDGE ROAD
ENGINEERING FEE ESTIMATE**

Prepared By: LEFENNEWALD

LABOR:					Labor Classification							
					Ziegler, William	Fennwald, Lisa	Visintine, Brian	Ritchason, Daniel	Gottschlich, Emma	Kuno, Todd	Pierce, Don	
Cost Center	Task No.	Task Description	Task M.H.	Task Cost	WP02	WP03	WT01	WP07	WP13	BPO5	BT04	
BIDDING PHASE												
Water	1	Post bid document to Quest for bidding and notify potential bidders.	6	\$1,000		2			4			
Water	2	Attend pre-bid meeting and prepare meeting minutes.	8	\$1,840		8						
Water	3	Address contractor's questions during bidding, including any Addendums.	30	\$5,430		12	6		12			
MEP			2	\$420						2		
Water	4	Review bids and makes recommendation to the City.	8	\$1,460		4			4			
Water	5	Prepare Notice of Award and Construction Agreement.	4	\$730		2			2			
Water	6	Administer and manage Bidding Phase tasks.	4	\$1,000	4							
Subtotal			62	\$11,880	4	28	6	0	22	2	0	
CONSTRUCTION PHASE												
Water	1	Prepare Notice to Proceed.	3	\$500		1			2			
Water	2	Prepare for and attend pre-construction meeting and prepare meeting minutes.	18	\$3,190		8			10			
Water	3	Review contractor-submitted shop drawing and other items (e.g., construction schedule, schedule of values).	28	\$5,100		12		4	12			
MEP			4	\$840							4	
Water	4	Evaluate/determine suitability of substitutions.	10	\$2,010		6		2	2			
Water	5	Review proposed schedule and schedule of values.	2	\$460		2						
Water	6	Respond to contractors questions and RFIs.	16	\$3,010	2	4	6		4			
MEP			4	\$840							4	
Water	7	Prepare Change Order requests, as appropriate.	12	\$2,250		4	4	2	2			
Water	8	Review and process contractor's payment request (assume 12).	12	\$2,190		6			6			
Water	9	Coordinate construction painting inspections.	4	\$920		4						
Water	10	Periodic site inspections and progress meeting (assume 6).	48	\$11,040		48						
Water	11	Conduct substantial completion walk through and issue punch list items.	16	\$2,920		8			8			
MEP			6	\$1,260							6	
Water	12	Assist District with project closeout. Coordinate completion of close-out forms with contractor (Substantial Completion, Lein Waivers, Warranty).	24	\$4,540		12	4		8			
Water	13	Administer and manage Construction Phase Tasks.	22	\$5,100	2	20						
Subtotal			229	\$46,170	4	135	14	8	54	14	0	
TOTAL ESTIMATE MANHOURS			743			22	323	104	38	176	44	36
TOTAL ESTIMATED LABOR COSTS				\$142,510								

DESIGN EXPENSES:

<u>Item</u>	<u>Unit</u>	<u>Total Cost</u>
Mileage:	2,200 miles	\$1,540
Survey Subconsultant (Strickland Engineering):	SAY	\$4,500
Geotechnical Subconsultant (Shannon & Wilson, Inc.):	-- SAY	\$63,954
Paint Inspection Subconsultant (CIS):	-- SAY	\$27,500
Misc. Reimbursable Expenses:	-- SAY	\$200
ESTIMATED TOTAL REIMBURSIBLE EXPENSES:		\$97,694
MARK UP PERCENTAGE:		0%
ESTIMATED TOTAL EXPENSES:		\$97,694
TOTAL ESTIMATED NOT-TO EXCEED COST:		\$240,300
FEE REMAINING FROM ORIGINAL TANK DBM FEE:		(\$20,496)
TOTAL ESTIMATED ADDITIONAL NOT-TO EXCEED COST:		\$219,804