



---

THE POWER HOUSE AT UNION STATION • 401 S. 18<sup>th</sup> ST., STE. 400 • SAINT LOUIS, MISSOURI 63103-2296  
314-531-4321 • FAX 844-339-2910 • [www.HornersShifrin.com](http://www.HornersShifrin.com)

April 11, 2022

Kent Peetz, P.E.  
Public Works Director  
City of Jackson  
101 Court Street  
Jackson, MO 63755

**Re: City of Jackson  
Kimbeland Pump Station Improvements Project  
Evaluation of Bids**

Dear Mr. Peetz:

In accordance with your request, Horner & Shifrin (H&S) has reviewed the bid proposal pertaining to the above-referenced project, which were received by the City of Jackson on March 10, 2022. Enclosed is the Bid Tabulation which summarizes the results of our bid evaluation.

Three contractors took out plans for the project, however; only one bid was received from Robinson Industrial, Heavy & Commercial, Inc (RIHC). RIHC's total base bid was \$2,042,345.00 and total base bid plus Alternate "A" was \$2,411,586.00. Please note that our Engineer's Opinion of Probable Cost for this construction was \$988,864.00 for the total base bid and \$1,301,864.00 for the total base bid plus Alternate "A". A summary of the bid tabulation is attached.

In order to assess conformance of the submitted bids with the Procedural Bid Submittal Requirements, we examined the supplemental materials required by the Bidding Documents to be submitted with the Bid Form – Bid Bond, List of Major Subcontractors, and qualifications data. RIHC met conformance with all bid submittal items.

Followup with the two contractors that did not submit bids indicated they recently were awarded contracts for other projects and did not have the staffing to complete the Kimbeland project. Discussion with RIHC indicated the increased cost of their bid was due to the complexity of the project and the volatility of material pricing/availability at the time of bidding.

After discussion with City Staff, it was agreed that bidding the project a third time would not result in more competitive bids and the existing pump station needs immediate replacement. Horner & Shifrin worked with RIHC to develop value engineering alternatives to reduce the construction cost of the project. The following alternatives were evaluated:

- Eliminate detention tank & associated piping (Bid Alternate 1).
- Shift pump station wet well approximately 30' east and 20' north.
- Lower pump station site plan elevation from 468 to 460.
- Raise bottom of wet well and 16" DIP incoming sanitary sewer 2'.
- Delete special manhole 7D-017 and install 8" PVC sewer between Ex MH 7D-016 and New MH 1.



Mr. Kent Peetz  
April 11, 2022  
Page 2

- Eliminate 10" bypass piping and valves between Hwy 61 East pump station forcemain and New MH 1.
- Miscellaneous pump station piping and valve modifications.

A summary of the adjusted construction cost based on the above noted alternatives is attached to this letter. Change Order No. 1 will be issued with the contract agreement reducing the contract amount from \$2,411,586.00 to \$1,833,491.00.

Based on our review of these bids, supporting materials submitted, and value engineering analysis discussions with RIHC and Jackson city staff, it is the recommendation of Horner & Shifrin that the City of Jackson award RIHC as the successful bidder for the Kimbeland Pump Station Improvements Project.

The adjusted contract amount will be \$1,833,491.00.

If there are any questions or need to discuss our bid evaluation further, please contact me. We greatly appreciate the opportunity to continue to serve the City of Jackson.

Respectfully Submitted,

Gilbert (Ed) Sewing, P.E.  
Project Manager

cc: File

**CITY OF JACKSON, MO  
KIMBELAND PUMP STATION IMPROVEMENT PROJECT  
BID TABULATION**

	Bid Rank (Low to High)	Bidders	
		1	2
<b>Conformance to Bid Submittal Requirements</b>	<b>Engineer's Estimate Horner &amp; Shifrin</b>	<b>Robinson Construction Company</b>	<b>N/A</b>
Bid Signed	--	YES	
Addendums 1 & 2	--	YES	
Bid Bond Submitted 5%	--	YES	
List of Major Subcontractors	--	YES	
Qual's Submitted	--	YES	

	Engineer's Estimate Horner & Shifrin	Bidders	
		Robinson Construction Company	N/A
<b>List of Major Sub-Contractor Named on Bid Form</b>			
1. Gravity Sewer	-	Prime Contractor	
2. Forcemain / Piping	-	Prime Contractor	
3. Electrical	-	KT Power Systems	
4. Paving	-	Prime Contractor	
5. Civil / Site Work	-	Prime Contractor	
6. Manhole Lining / Rehab.	-	CCIMW	
7. Pump Station	-	Prime Contractor	
8. Submersible Pump Supplier	-	Municipal Equipment	

**CITY OF JACKSON, MO**  
**KIMBELAND PUMP STATION IMPROVEMENT PROJECT**  
**BID TABULATION**

BASE BID ITEMS				Engineer's Estimate Horner & Shifrin		Robinson Construction Company		N/A	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	Excavation - Class "A"	102	CY	250.00	25,500.00	345.00	35,190.00		0.00
2	Excavation - Class "C"	259	CY	38.00	9,842.00	73.00	18,907.00		0.00
3	Granular Backfill	84	CY	65.00	5,460.00	90.00	7,560.00		0.00
4	Force Main - 10 Inch, DIP	60	LF	434.00	26,040.00	1,359.00	81,540.00		0.00
5	Force Main - 12 Inch, PVC	22	LF	521.00	11,462.00	461.00	10,142.00		0.00
6	Pipe Sewer - 15 Inch, PVC	50	LF	100.00	5,000.00	217.00	10,850.00		0.00
7	Pipe Sewer - 16 Inch, DIP	207	LF	200.00	41,400.00	492.00	101,844.00		0.00
8	Manhole - Standard Construction	32	VL	480.00	15,360.00	1,597.00	51,104.00		0.00
9	Outside Foulwater Drop	2	EA	2,400.00	4,800.00	9,416.00	18,832.00		0.00
10	Concrete Encasement - Class A	51	CY	400.00	20,400.00	477.00	24,327.00		0.00
11	Air Release Manhole	1	EA	7,000.00	7,000.00	9,434.00	9,434.00		0.00
12	Special Manhole 7D-017	1	EA	15,000.00	15,000.00	75,964.00	75,864.00		0.00
13	Special Storm Manhole "A"	1	EA	2,500.00	2,500.00	1,117.00	1,117.00		0.00
14	Rock Blanket - Heavy	307	SY	100.00	30,700.00	92.00	28,244.00		0.00
15	Electrical Conduits (2-4" Dia. PVC) Buried (Incl. Excavation)	275	LF	60.00	16,500.00	132.00	36,300.00		0.00
16	Sectionalizing Cabinet	2	EA	4,000.00	8,000.00	6,128.00	12,256.00		0.00
17	30" x 60" Pull Box	1	EA	4,600.00	4,600.00	7,580.00	7,580.00		0.00
18	Electrical Transclosure	1	EA	9,800.00	9,800.00	21,244.00	21,244.00		0.00
19	Portable Backup Generator	1	EA	83,000.00	83,000.00	133,705.00	133,705.00		0.00
20	Abandon Ex. Water Service	1	EA	1,500.00	1,500.00	1,358.00	1,358.00		0.00
21	12" Tap Valve & Saddle - BRANCH	1	EA	20,000.00	20,000.00	15,624.00	15,624.00		0.00
22	12" Tap Valve & Saddle - LINE	1	EA	15,000.00	15,000.00	15,624.00	15,624.00		0.00
23	Mobilization	1	LS	40,000.00	40,000.00	260,773.00	260,773.00		0.00
24	Protection & Restoration of Site	1	LS	100,000.00	100,000.00	31,650.00	31,650.00		0.00
25	Bypass Pumping	1	LS	40,000.00	40,000.00	44,363.00	44,363.00		0.00
26	Abandon Ex. Kimbeland Pump Station	1	LS	30,000.00	30,000.00	22,808.00	22,808.00		0.00
27	New Kimbeland Pump Station	1	LS	400,000.00	400,000.00	964,105.00	964,105.00		0.00
<b>TOTAL BASE BID (Sum Items 1 - 27) =</b>				<b>\$988,864.00</b>		<b>\$2,042,345.00</b>		<b>\$0.00</b>	

CITY OF JACKSON, MO  
KIMBELAND PUMP STATION IMPROVEMENT PROJECT  
BID TABULATION

ALTERNATE "A"				Engineer's Estimate Horner & Shifrin		Robinson Construction Company		N/A	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
28	Detention Storage Bank "A"	1	LS	\$313,000.00	\$313,000.00	\$369,241.00	\$369,241.00		\$0.00
ALTERNATE "A" SUBTOTAL (Item 28) =				\$313,000.00		\$369,241.00		\$0.00	

BID TOTAL SUMMARY		Engineer's Estimate Horner & Shifrin	Robinson Construction Company	N/A
	TOTAL BASE BID (Sum Items 1 - 27) =	\$988,864.00	\$2,042,345.00	\$0.00
	ALTERNATE "A" SUBTOTAL (Item 28) =	\$313,000.00	\$369,241.00	\$0.00
TOTAL BASE BID + ALTERNATE "A" =		\$1,301,864.00	\$2,411,586.00	\$0.00

CITY OF JACKSON, MO  
KIMBELAND PUMP STATION IMPROVEMENT PROJECT  
CHANGE ORDER NO. 1 - ADJUSTMENT OF BID QUANTITIES & UNIT PRICES

BASE BID ITEMS				Engineer's Estimate Horner & Shifrin		Robinson Construction Company	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	Excavation - Class "A"	102	CY	250.00	25,500.00	345.00	35,190.00
2	Excavation - Class "C"	259	CY	38.00	9,842.00	73.00	18,907.00
3	Granular Backfill	84	CY	65.00	5,460.00	90.00	7,560.00
4	Force Main - 10 Inch, DIP	60	LF	434.00	26,040.00	1,359.00	81,540.00
5	Force Main - 12 Inch, PVC	22	LF	521.00	11,462.00	461.00	10,142.00
6	Pipe Sewer - 15 Inch, PVC	50	LF	100.00	5,000.00	217.00	10,850.00
7	Pipe Sewer - 16 Inch, DIP	207	LF	200.00	41,400.00	492.00	101,844.00
8	Manhole - Standard Construction	32	VLF	480.00	15,360.00	1,597.00	51,104.00
9	Outside Foulwater Drop	2	EA	2,400.00	4,800.00	9,416.00	18,832.00
10	Concrete Encasement - Class A	51	CY	400.00	20,400.00	477.00	24,327.00
11	Air Release Manhole	1	EA	7,000.00	7,000.00	9,434.00	9,434.00
12	Special Manhole 7D-017	1	EA	15,000.00	15,000.00	75,964.00	75,864.00
13	Special Storm Manhole "A"	1	EA	2,500.00	2,500.00	1,117.00	1,117.00
14	Rock Blanket - Heavy	307	SY	100.00	30,700.00	92.00	28,244.00
15	Electrical Conduits (2-4" Dia. PVC) Buried (Incl. Excavation)	275	LF	60.00	16,500.00	132.00	36,300.00
16	Sectionalizing Cabinet	2	EA	4,000.00	8,000.00	6,128.00	12,256.00
17	30" x 60" Pull Box	1	EA	4,600.00	4,600.00	7,580.00	7,580.00
18	Electrical Transclosure	1	EA	9,800.00	9,800.00	21,244.00	21,244.00
19	Portable Backup Generator	1	EA	83,000.00	83,000.00	133,705.00	133,705.00
20	Abandon Ex. Water Service	1	EA	1,500.00	1,500.00	1,358.00	1,358.00
21	12" Tap Valve & Saddle - BRANCH	1	EA	20,000.00	20,000.00	15,624.00	15,624.00
22	12" Tap Valve & Saddle - LINE	1	EA	15,000.00	15,000.00	15,624.00	15,624.00
23	Mobilization	1	LS	40,000.00	40,000.00	260,773.00	260,773.00
24	Protection & Restoration of Site	1	LS	100,000.00	100,000.00	31,650.00	31,650.00
25	Bypass Pumping	1	LS	40,000.00	40,000.00	44,363.00	44,363.00
26	Abandon Ex. Kimbeland Pump Station	1	LS	30,000.00	30,000.00	22,808.00	22,808.00
27	New Kimbeland Pump Station	1	LS	400,000.00	400,000.00	964,105.00	964,105.00
TOTAL BASE BID (Sum Items 1 - 27) =				\$988,864.00		\$2,042,345.00	

ALTERNATE "A"				Engineer's Estimate Horner & Shifrin		Robinson Construction Company	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
28	Detention Storage Bank "A"	1	LS	\$313,000.00	\$313,000.00	\$369,241.00	\$369,241.00
ALTERNATE "A" SUBTOTAL (Item 28) =				\$313,000.00		\$369,241.00	

BID TOTAL SUMMARY				Engineer's Estimate Horner & Shifrin		Robinson Construction Company	
TOTAL BASE BID (Sum Items 1 - 27) =				\$988,864.00		\$2,042,345.00	
ALTERNATE "A" SUBTOTAL (Item 28) =				\$313,000.00		\$369,241.00	
TOTAL BASE BID + ALTERNATE "A" =				\$1,301,864.00		\$2,411,586.00	

CHANGE ORDER NO. 1 w/ REVISED UNIT QUANTITIES (AS OF 04/11/2022)				Robinson Construction Company	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price
1	Excavation - Class "A"	55	CY	342.00	18,810.00
2	Excavation - Class "C"	203	CY	72.00	14,616.00
3	Granular Backfill	15	CY	89.00	1,335.00
4	Force Main - 10 Inch, DIP	60	LF	1,247.00	74,820.00
5	Force Main - 12 Inch, PVC	20	LF	1,580.00	31,600.00
6	Pipe Sewer - 15 Inch, PVC	30	LF	215.00	6,450.00
7	Pipe Sewer - 16 Inch, DIP	144	LF	412.00	59,328.00
8	Manhole - Standard Construction	35	VLF	1,680.00	58,800.00
9	Outside Foulwater Drop	2	EA	9,308.00	18,616.00
10	Concrete Encasement - Class A	51	CY	471.00	24,021.00
11	Air Release Manhole	1	EA	9,322.00	9,322.00
12	Special Manhole 7D-017	1	EA	9,100.00	9,100.00
13	Special Storm Manhole "A"	1	EA	1,104.00	1,104.00
14	Rock Blanket - Heavy	307	SY	91.00	27,937.00
15	Electrical Conduits (2-4" Dia. PVC) Buried (Incl. Excavation)	275	LF	130.00	35,750.00
16	Sectionalizing Cabinet	2	EA	6,049.00	12,098.00
17	30" x 60" Pull Box	1	EA	7,483.00	7,483.00
18	Electrical Transclosure	1	EA	20,973.00	20,973.00
19	Portable Backup Generator	1	EA	132,027.00	132,027.00
20	Abandon Ex. Water Service	1	EA	1,343.00	1,343.00
21	12" Tap Valve & Saddle - BRANCH	0	EA	15,431.00	0.00
22	12" Tap Valve & Saddle - LINE	1	EA	15,431.00	15,431.00
23	Mobilization	1	LS	257,907.00	257,907.00
24	Protection & Restoration of Site	1	LS	31,271.00	31,271.00
25	Bypass Pumping	1	LS	43,855.00	43,855.00
26	Abandon Ex. Kimbeland Pump Station	1	LS	22,553.00	22,553.00
27	New Kimbeland Pump Station	1	LS	893,301.00	893,301.00
28	Pipe Sewer - 8 Inch, PVC	28	LF	130.00	3,640.00
TOTAL BASE BID (Sum Items 1 - 28) =				\$1,833,491.00	

ALTERNATE "A"				Robinson Construction Company	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price
29	Detention Storage Bank "A"	1	LS	\$0.00	\$0.00
ALTERNATE "A" SUBTOTAL (Item 29) =				\$0.00	

BID TOTAL SUMMARY				Robinson Construction Company	
TOTAL BASE BID (Sum Items 1 - 28) =				\$1,833,491.00	
ALTERNATE "A" SUBTOTAL (Item 29) =				\$0.00	
TOTAL BASE BID + ALTERNATE "A" =				\$1,833,491.00	