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December 15, 2021

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

**Re: City of Jackson
Water System Facility Plan Implementation and E. Main Street Concrete Improvements
Project – Phase 2, Project 2C
Evaluation of Bids**

Dear Mr. Peetz:

In accordance with your request, Horner & Shifrin (H&S) has reviewed the four bid proposals pertaining to the above-referenced project, which were received by the City of Jackson on December 8, 2021. Enclosed is the Bid Tabulation which summarizes the results of our bid evaluation.

Four bids were received for this project ranging from Fronabarger Concreters, Inc. low bid of \$926,315.00 to the high bid of \$1,191,216.50 from Putz Construction LLC. Please note that our Engineer's Opinion of Probable Cost for this construction was \$1,121,082.00. The Engineer's estimate was based on past water main project bids in the City with an adjustment for pipe pricing increases. The lowest bid was 19% below the opinion of probable construction cost and the high bid was 6% above the opinion of probable construction cost.

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. All bidders met conformance with all bid submittal items.

There were some concerns regarding the low bid received by Fronabarger since they were \$177,000 below the next lowest bidder. H&S reviewed all bid item unit prices and there isn't any specific pay item that is lower than the others but an overall reduced price over a significant number of the pay items with the largest reduction in the pavement pay items. H&S spoke to them regarding their bid and they are comfortable with their bid price. They did state that pipe crews were getting low on work and they submitted a bid with a low profit margin.

In addition, Fronabarger has performed multiple successful projects for the City but no water main projects. After the bid was received, per the request of Horner & Shifrin, they submitted a list of water main projects performed in the past five years to show their water main installation experience. This additional list of projects is attached and demonstrates that they have extensive water main installation experience. Most of these water projects were in Cape Girardeau so I contacted the Cape water main inspector and he stated that they do excellent work on water main installation and if there is a problem resolve it quickly.



On the basis of our review of these bids and the supporting materials submitted and discussions with Jackson city staff, it is the recommendation of Horner & Shifrin that the City of Jackson award Fronabarger Concreters, Inc. as the successful bidder for the Water System Facility Plan Implementation and E. Main Street Concrete Improvements Project – Phase 2, Project 2C.

The contract amount would be \$926,315.00.

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,

Lisa Fennewald, P.E.
Project Manager

cc: File

FRONABARGER CONCRETERS, INC.
PAST 5 YEAR WATER PROJECTS

Ramsey Branch Subdivision in Jackson MO 2021 Watermain, Stormsewer, Sanitary, Grading, Streets.
3000' of 8" water main

Star Vue Apartments Cape Girardeau MO 2021, Double Diamond Construction, Watermain, Stormsewer, Sanitary, Grading, Streets. 460' of 6" water main

Cape Girardeau VA Medical Center Mt Auburn Road Cape Girardeau MO 2020, BL Harbert Construction
Watermain, Stormsewer, Sanitary, grading, 400' of 6" water main and fire main

Liberty Apartments Cape Girardeau MO 2019, Double Diamond Construction, Watermain, Fireman, services, Sanitary, grading, streets and parking lot. 900' of 6" main

Syntrax Incorporated Cape Girardeau MO 2019, Syntrax Incorporated. Watermain, Stormsewer, Parking Lot. 650' of watermain, fire main, and domestic service

Legends of Cape Girardeau, Cape Girardeau, MO 2018, Axia Construction. Grading, Watermain, Sanitary, Parking Lot. 3000' of 8" Main, Fire Main, and domestic service lines

Collins Mill Subdivision, Cape Girardeau, MO 2018, Summit Construction. Grading, watermain, sanitary main, street. 3000' of 8" Main

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

		Bidders			
	Bid Rank (Low to High)	1	2	3	4
Conformance to Bid Submittal Requirements	Engineer's Estimate Horner & Shifrin	Fronabarger Concreters, Inc.	Nip Kelley Equipment Co., Inc	CE Contracting, Inc.	Putz Construction LLC
Bid Signed	--	YES	YES	YES	YES
Addendum	--	YES	YES	YES	YES
Bid Bond Submitted 5%	--	YES	YES	YES	YES
List of Major Subcontractors	--	YES	YES	YES	YES
Qual's Submitted	--	YES	YES	YES	YES

Bidders					
List of Major Sub-Contractor Named on Bid Form	Engineer's Estimate Horner & Shifrin	Fronabarger Concreters, Inc.	Nip Kelley Equipment Co., Inc	CE Contracting, Inc.	Putz Construction LLC
Water Main		Prime	Prime	Prime	Prime
Paving		Prime	Prime	Prime	Prime
Storm Structures/Piping		Prime	Prime	Prime	Prime
Utility Boring		-	Eastern Missouri Industries	-	-
Asphalt Paving		-	Jokerst, Inc.	-	-
Traffic Control		-	Roadrunner Safety Service	-	-

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

E. Main St. (Georgie to Goose Creek)				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	8-Inch PVC Water Main (Open Cut)		LF										
2	6-Inch PVC Water Main (Open Cut)		LF										
3	8-Inch PVC Water Main (Restrained)	822	LF	\$93.00	\$76,446.00	\$72.00	\$59,184.00	\$69.50	\$57,129.00	\$79.00	\$64,938.00	\$50.00	\$41,100.00
4	6-Inch DIP Water Main (Restrained)		LF										
5	8-Inch PVC Water Main Directional Drill (Restrained)		LF										
6	8" x 8" Tap & Valve		EA										
7	6" x 6" Tap & Valve	1	EA	\$3,800.00	\$3,800.00	\$2,750.00	\$2,750.00	\$3,668.00	\$3,668.00	\$3,170.00	\$3,170.00	\$2,800.00	\$2,800.00
8	4" x 4" Tap & Valve		EA										
9	8-Inch Gate Valve	1	EA	\$1,600.00	\$1,600.00	\$1,850.00	\$1,850.00	\$2,040.00	\$2,040.00	\$2,860.00	\$2,860.00	\$4,000.00	\$4,000.00
10	Fire Hydrant Assembly		EA										
11	Reconnect 3/4" or 1" Water Service	10	EA	\$1,100.00	\$11,000.00	\$1,650.00	\$16,500.00	\$568.00	\$5,680.00	\$1,130.00	\$11,300.00	\$750.00	\$7,500.00
12	Extension of 3/4" or 1" Water Service	175	LF	\$35.00	\$6,125.00	\$65.00	\$11,375.00	\$56.90	\$9,957.50	\$59.00	\$10,325.00	\$14.00	\$2,450.00
13	6" Fire Service Connection & Valve		EA										
14	Extension of 6" Fire Service		LF										
15	New Curb Stop & Box	4	EA	\$600.00	\$2,400.00	\$625.00	\$2,500.00	\$1,420.00	\$5,680.00	\$343.00	\$1,372.00	\$800.00	\$3,200.00
16	Granular Backfill	230	CY	\$42.00	\$9,660.00	\$30.00	\$6,900.00	\$34.85	\$8,015.50	\$39.00	\$8,970.00	\$60.00	\$13,800.00
17	Asphalt Pavement R&R	46	SY	\$90.00	\$4,140.00	\$80.00	\$3,680.00	\$125.00	\$5,750.00	\$154.00	\$7,084.00	\$180.00	\$8,280.00
18	Concrete Pavement R&R		SY										
19	Concrete Sidewalk R&R	110	SY	\$100.00	\$11,000.00	\$80.00	\$8,800.00	\$70.00	\$7,700.00	\$72.90	\$8,019.00	\$90.00	\$9,900.00
20	High Early Concrete Drive R&R	141	SY	\$115.00	\$16,215.00	\$80.00	\$11,280.00	\$93.00	\$13,113.00	\$119.00	\$16,779.00	\$130.00	\$18,330.00
21	High Early Concrete Pavement R&R	460	SY	\$110.00	\$50,600.00	\$80.00	\$36,800.00	\$87.00	\$40,020.00	\$109.00	\$50,140.00	\$138.00	\$63,480.00
22	Concrete Curb & Gutter R&R		LF										
23	Concrete Curb R&R		LF										
24	Rip Rap		SY										
25	Cut & Cap Existing 2" Pipe		EA										
26	Cut & Cap Existing 4" Pipe	1	EA	\$1,500.00	\$1,500.00	\$400.00	\$400.00	\$1,505.00	\$1,505.00	\$870.00	\$870.00	\$1,000.00	\$1,000.00
27	Cut & Cap Existing 6" Pipe		EA										
28	Valve Box Removal	1	EA	\$200.00	\$200.00	\$350.00	\$350.00	\$540.00	\$540.00	\$45.80	\$45.80	\$450.00	\$450.00
29	Rock Excavation		CY										
30	Concrete Encasement		CY										
31	Joint Restrain of Ex. 6" PVC Pipe		EA										
32	Gabion Mattress		CY										
33	Concrete Stream Liner		SY										
E. MAIN ST. (GEORGIA TO GOOSE CREEK) WATER MAIN SUBTOTAL (SUM 1-33) =				\$194,700.00		\$162,369.00		\$160,798.00		\$185,872.80		\$176,290.00	

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

S. Maryland St.				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	8-Inch PVC Water Main (Open Cut)	278	LF	\$83.00	\$23,074.00	\$63.00	\$17,514.00	\$65.00	\$18,070.00	\$70.60	\$19,626.80	\$40.00	\$11,120.00
2	6-Inch PVC Water Main (Open Cut)		LF										
3	8-Inch PVC Water Main (Restrained)	100	LF	\$93.00	\$9,300.00	\$72.00	\$7,200.00	\$75.00	\$7,500.00	\$95.40	\$9,540.00	\$50.00	\$5,000.00
4	6-Inch DIP Water Main (Restrained)		LF										
5	8-Inch PVC Water Main Directional Drill (Restrained)		LF										
6	8" x 8" Tap & Valve	1	EA	\$4,200.00	\$4,200.00	\$3,500.00	\$3,500.00	\$4,550.00	\$4,550.00	\$4,060.00	\$4,060.00	\$3,000.00	\$3,000.00
7	6" x 6" Tap & Valve		EA										
8	4" x 4" Tap & Valve		EA										
9	8-Inch Gate Valve	1	EA	\$1,600.00	\$1,600.00	\$1,850.00	\$1,850.00	\$2,015.00	\$2,015.00	\$1,840.00	\$1,840.00	\$4,000.00	\$4,000.00
10	Fire Hydrant Assembly	1	EA	\$4,400.00	\$4,400.00	\$6,250.00	\$6,250.00	\$5,735.00	\$5,735.00	\$6,620.00	\$6,620.00	\$8,000.00	\$8,000.00
11	Reconnect 3/4" or 1" Water Service	3	EA	\$1,100.00	\$3,300.00	\$1,650.00	\$4,950.00	\$568.00	\$1,704.00	\$1,130.00	\$3,390.00	\$750.00	\$2,250.00
12	Extension of 3/4" or 1" Water Service	95	LF	\$35.00	\$3,325.00	\$65.00	\$6,175.00	\$68.00	\$6,460.00	\$59.00	\$5,605.00	\$14.00	\$1,330.00
13	6" Fire Service Connection & Valve		EA										
14	Extension of 6" Fire Service		LF										
15	New Curb Stop & Box		EA										
16	Granular Backfill	130	CY	\$42.00	\$5,460.00	\$30.00	\$3,900.00	\$39.00	\$5,070.00	\$39.00	\$5,070.00	\$60.00	\$7,800.00
17	Asphalt Pavement R&R	295	SY	\$90.00	\$26,550.00	\$80.00	\$23,600.00	\$125.00	\$36,875.00	\$154.00	\$45,430.00	\$180.00	\$53,100.00
18	Concrete Pavement R&R	68	SY	\$85.00	\$5,780.00	\$80.00	\$5,440.00	\$87.00	\$5,916.00	\$119.00	\$8,092.00	\$110.00	\$7,480.00
19	Concrete Sidewalk R&R		SY										
20	High Early Concrete Drive R&R		SY										
21	High Early Concrete Pavement R&R		SY										
22	Concrete Curb & Gutter R&R		LF										
23	Concrete Curb R&R		LF										
24	Rip Rap		SY										
25	Cut & Cap Existing 2" Pipe		EA										
26	Cut & Cap Existing 4" Pipe		EA										
27	Cut & Cap Existing 6" Pipe		EA										
28	Valve Box Removal		EA										
29	Rock Excavation		CY										
30	Concrete Encasement		CY										
31	Joint Restrain of Ex. 6" PVC Pipe		EA										
32	Gabion Mattress		CY										
33	Concrete Stream Liner		SY										
S. MARYLAND ST. WATER MAIN SUBTOTAL													
(SUM 1-33) =				\$87,000.00		\$80,379.00		\$93,895.00		\$109,273.80		\$103,080.00	

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

E. Main St. (Lilly to Bellevue)				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	8-Inch PVC Water Main (Open Cut)	378	LF	\$83.00	\$31,374.00	\$63.00	\$23,814.00	\$63.00	\$23,814.00	\$69.70	\$26,346.60	\$40.00	\$15,120.00
2	6-Inch PVC Water Main (Open Cut)		LF										
3	8-Inch PVC Water Main (Restrained)		LF										
4	6-Inch DIP Water Main (Restrained)		LF										
5	8-Inch PVC Water Main Directional Drill (Restrained)		LF										
6	8" x 8" Tap & Valve		EA										
7	6" x 6" Tap & Valve		EA										
8	4" x 4" Tap & Valve		EA										
9	8-Inch Gate Valve	1	EA	\$1,600.00	\$1,600.00	\$1,850.00	\$1,850.00	\$2,040.00	\$2,040.00	\$1,720.00	\$1,720.00	\$4,000.00	\$4,000.00
10	Fire Hydrant Assembly		EA										
11	Reconnect 3/4" or 1" Water Service	5	EA	\$1,100.00	\$5,500.00	\$1,650.00	\$8,250.00	\$635.00	\$3,175.00	\$1,130.00	\$5,650.00	\$750.00	\$3,750.00
12	Extension of 3/4" or 1" Water Service	105	LF	\$35.00	\$3,675.00	\$65.00	\$6,825.00	\$60.00	\$6,300.00	\$59.00	\$6,195.00	\$14.00	\$1,470.00
13	6" Fire Service Connection & Valve		EA										
14	Extension of 6" Fire Service		LF										
15	New Curb Stop & Box		EA										
16	Granular Backfill	120	CY	\$42.00	\$5,040.00	\$30.00	\$3,600.00	\$39.00	\$4,680.00	\$39.00	\$4,680.00	\$60.00	\$7,200.00
17	Asphalt Pavement R&R	289	SY	\$85.00	\$24,565.00	\$80.00	\$23,120.00	\$125.00	\$36,125.00	\$154.00	\$44,506.00	\$180.00	\$52,020.00
18	Concrete Pavement R&R		SY										
19	Concrete Sidewalk R&R		SY										
20	High Early Concrete Drive R&R		SY										
21	High Early Concrete Pavement R&R		SY										
22	Concrete Curb & Gutter R&R	15	LF	\$75.00	\$1,125.00	\$45.00	\$675.00	\$107.00	\$1,605.00	\$81.40	\$1,221.00	\$40.00	\$600.00
23	Concrete Curb R&R		LF										
24	Rip Rap		SY										
25	Cut & Cap Existing 2" Pipe		EA										
26	Cut & Cap Existing 4" Pipe		EA										
27	Cut & Cap Existing 6" Pipe		EA										
28	Valve Box Removal		EA										
29	Rock Excavation		CY										
30	Concrete Encasement		CY										
31	Joint Restrain of Ex. 6" PVC Pipe		EA										
32	Gabion Mattress		CY										
33	Concrete Stream Liner		SY										
E. MAIN ST. (LILLY TO BELLEVUE) WATER MAIN SUBTOTAL (SUM 1-33) =				\$72,900.00		\$68,134.00		\$77,739.00		\$90,318.60		\$84,160.00	

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

E. Main St. (Bellevue to Neal)				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	8-Inch PVC Water Main (Open Cut)	329	LF	\$83.00	\$27,307.00	\$63.00	\$20,727.00	\$77.00	\$25,333.00	\$72.10	\$23,720.90	\$40.00	\$13,160.00
2	6-Inch PVC Water Main (Open Cut)		LF										
3	8-Inch PVC Water Main (Restrained)		LF										
4	6-Inch DIP Water Main (Restrained)		LF										
5	8-Inch PVC Water Main Directional Drill (Restrained)	42	LF	\$200.00	\$8,400.00	\$150.00	\$6,300.00	\$154.00	\$6,468.00	\$220.00	\$9,240.00	\$200.00	\$8,400.00
6	8" x 8" Tap & Valve		EA										
7	6" x 6" Tap & Valve	1	EA	\$3,800.00	\$3,800.00	\$2,750.00	\$2,750.00	\$3,548.00	\$3,548.00	\$3,170.00	\$3,170.00	\$2,800.00	\$2,800.00
8	4" x 4" Tap & Valve		EA										
9	8-Inch Gate Valve	1	EA	\$1,600.00	\$1,600.00	\$1,850.00	\$1,850.00	\$2,040.00	\$2,040.00	\$1,840.00	\$1,840.00	\$4,000.00	\$4,000.00
10	Fire Hydrant Assembly	2	EA	\$4,400.00	\$8,800.00	\$6,250.00	\$12,500.00	\$5,600.00	\$11,200.00	\$6,070.00	\$12,140.00	\$8,000.00	\$16,000.00
11	Reconnect 3/4" or 1" Water Service		EA										
12	Extension of 3/4" or 1" Water Service		LF										
13	6" Fire Service Connection & Valve		EA										
14	Extension of 6" Fire Service		LF										
15	New Curb Stop & Box		EA										
16	Granular Backfill	7	CY	\$42.00	\$280.00	\$30.00	\$210.00	\$121.00	\$847.00	\$39.00	\$273.00	\$60.00	\$420.00
17	Asphalt Pavement R&R		SY										
18	Concrete Pavement R&R		SY										
19	Concrete Sidewalk R&R		SY										
20	High Early Concrete Drive R&R		SY										
21	High Early Concrete Pavement R&R	30	SY	\$110.00	\$3,300.00	\$80.00	\$2,400.00	\$152.00	\$4,560.00	\$142.00	\$4,260.00	\$138.00	\$4,140.00
22	Concrete Curb & Gutter R&R		LF										
23	Concrete Curb R&R		LF										
24	Rip Rap	11	SY	\$50.00	\$550.00	\$45.00	\$495.00	\$77.00	\$847.00	\$26.30	\$289.30	\$48.00	\$528.00
25	Cut & Cap Existing 2" Pipe		EA										
26	Cut & Cap Existing 4" Pipe	1	EA	\$1,500.00	\$1,500.00	\$400.00	\$400.00	\$1,684.00	\$1,684.00	\$900.00	\$900.00	\$1,000.00	\$1,000.00
27	Cut & Cap Existing 6" Pipe		EA										
28	Valve Box Removal	1	EA	\$200.00	\$200.00	\$350.00	\$350.00	\$537.00	\$537.00	\$45.80	\$45.80	\$450.00	\$450.00
29	Rock Excavation		CY										
30	Concrete Encasement		CY										
31	Joint Restrain of Ex. 6" PVC Pipe		EA										
32	Gabion Mattress		CY										
33	Concrete Stream Liner		SY										
E. MAIN ST. (BELLEVUE TO NEAL) WATER MAIN SUBTOTAL													
(SUM 1-33) =				\$55,700.00		\$47,982.00		\$57,064.00		\$55,879.00		\$50,898.00	

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

Bellevue St., Washington St., & Neal St.				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	8-Inch PVC Water Main (Open Cut)	980	LF	\$83.00	\$81,340.00	\$63.00	\$61,740.00	\$68.00	\$66,640.00	\$61.90	\$60,662.00	\$40.00	\$39,200.00
2	6-Inch PVC Water Main (Open Cut)	10	LF	\$78.00	\$780.00	\$54.00	\$540.00	\$233.00	\$2,330.00	\$109.00	\$1,090.00	\$36.00	\$360.00
3	8-Inch PVC Water Main (Restrained)	607	LF	\$93.00	\$56,451.00	\$72.00	\$43,704.00	\$76.00	\$46,132.00	\$71.30	\$43,279.10	\$50.00	\$30,350.00
4	6-Inch DIP Water Main (Restrained)		LF										
5	8-Inch PVC Water Main Directional Drill (Restrained)		LF										
6	8" x 8" Tap & Valve	3	EA	\$4,200.00	\$12,600.00	\$3,500.00	\$10,500.00	\$4,373.00	\$13,119.00	\$4,010.00	\$12,030.00	\$3,000.00	\$9,000.00
7	6" x 6" Tap & Valve	1	EA	\$3,800.00	\$3,800.00	\$2,750.00	\$2,750.00	\$3,670.00	\$3,670.00	\$3,250.00	\$3,250.00	\$2,800.00	\$2,800.00
8	4" x 4" Tap & Valve	1	EA	\$3,300.00	\$3,300.00	\$2,500.00	\$2,500.00	\$3,325.00	\$3,325.00	\$2,940.00	\$2,940.00	\$2,400.00	\$2,400.00
9	8-Inch Gate Valve	8	EA	\$1,600.00	\$12,800.00	\$1,850.00	\$14,800.00	\$2,040.00	\$16,320.00	\$1,890.00	\$15,120.00	\$4,000.00	\$32,000.00
10	Fire Hydrant Assembly	3	EA	\$4,400.00	\$13,200.00	\$6,250.00	\$18,750.00	\$5,600.00	\$16,800.00	\$6,710.00	\$20,130.00	\$8,000.00	\$24,000.00
11	Reconnect 3/4" or 1" Water Service	12	EA	\$1,100.00	\$13,200.00	\$1,650.00	\$19,800.00	\$680.00	\$8,160.00	\$1,130.00	\$13,560.00	\$750.00	\$9,000.00
12	Extension of 3/4" or 1" Water Service	85	LF	\$35.00	\$2,975.00	\$65.00	\$5,525.00	\$90.00	\$7,650.00	\$59.00	\$5,015.00	\$14.00	\$1,190.00
13	6" Fire Service Connection & Valve	1	EA	\$1,300.00	\$1,300.00	\$1,650.00	\$1,650.00	\$2,665.00	\$2,665.00	\$2,220.00	\$2,220.00	\$6,000.00	\$6,000.00
14	Extension of 6" Fire Service	15	LF	\$60.00	\$900.00	\$85.00	\$1,275.00	\$131.00	\$1,965.00	\$63.10	\$946.50	\$50.00	\$750.00
15	New Curb Stop & Box	3	EA	\$600.00	\$1,800.00	\$625.00	\$1,875.00	\$908.00	\$2,724.00	\$343.00	\$1,029.00	\$800.00	\$2,400.00
16	Granular Backfill	410	CY	\$42.00	\$17,220.00	\$30.00	\$12,300.00	\$35.50	\$14,555.00	\$39.00	\$15,990.00	\$60.00	\$24,600.00
17	Asphalt Pavement R&R	456	SY	\$90.00	\$41,040.00	\$80.00	\$36,480.00	\$126.00	\$57,456.00	\$154.00	\$70,224.00	\$180.00	\$82,080.00
18	Concrete Pavement R&R	593	SY	\$85.00	\$50,405.00	\$80.00	\$47,440.00	\$61.00	\$36,173.00	\$109.00	\$64,637.00	\$110.00	\$65,230.00
19	Concrete Sidewalk R&R	88	SY	\$100.00	\$8,800.00	\$80.00	\$7,040.00	\$58.00	\$5,104.00	\$59.10	\$5,200.80	\$90.00	\$7,920.00
20	High Early Concrete Drive R&R		SY										
21	High Early Concrete Pavement R&R	140	SY	\$110.00	\$15,400.00	\$80.00	\$11,200.00	\$95.00	\$13,300.00	\$135.00	\$18,900.00	\$138.00	\$19,320.00
22	Concrete Curb & Gutter R&R	10	LF	\$75.00	\$750.00	\$45.00	\$450.00	\$120.00	\$1,200.00	\$81.40	\$814.00	\$40.00	\$400.00
23	Concrete Curb R&R	12	LF	\$70.00	\$840.00	\$45.00	\$540.00	\$99.00	\$1,188.00	\$81.40	\$976.80	\$30.00	\$360.00
24	Rip Rap		SY										
25	Cut & Cap Existing 2" Pipe	1	EA	\$1,200.00	\$1,200.00	\$350.00	\$350.00	\$1,684.00	\$1,684.00	\$1,010.00	\$1,010.00	\$1,000.00	\$1,000.00
26	Cut & Cap Existing 4" Pipe	4	EA	\$1,500.00	\$6,000.00	\$400.00	\$1,600.00	\$1,684.00	\$6,736.00	\$900.00	\$3,600.00	\$1,000.00	\$4,000.00
27	Cut & Cap Existing 6" Pipe	1	EA	\$1,700.00	\$1,700.00	\$450.00	\$450.00	\$1,918.00	\$1,918.00	\$930.00	\$930.00	\$1,000.00	\$1,000.00
28	Valve Box Removal	6	EA	\$200.00	\$1,200.00	\$350.00	\$2,100.00	\$257.00	\$1,542.00	\$45.80	\$274.80	\$450.00	\$2,700.00
29	Rock Excavation		CY										
30	Concrete Encasement		CY										
31	Joint Restrain of Ex. 6" PVC Pipe		EA										
32	Gabion Mattress		CY										
33	Concrete Stream Liner		SY										
BELLEVUE ST., WASHINGTON ST., & NEAL ST. WATER MAIN SUBTOTAL (SUM 1-33) =				\$349,000.00		\$305,359.00		\$332,356.00		\$363,829.00		\$368,060.00	

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

Old Cape Creek Crossing				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
1	8-Inch PVC Water Main (Open Cut)		LF										
2	6-Inch PVC Water Main (Open Cut)		LF										
3	8-Inch PVC Water Main (Restrained)		LF										
4	6-Inch DIP Water Main (Restrained)	26	LF	\$100.00	\$2,600.00	\$70.00	\$1,820.00	\$437.00	\$11,362.00	\$254.00	\$6,604.00	\$45.00	\$1,170.00
5	8-Inch PVC Water Main Directional Drill (Restrained)		LF										
6	8" x 8" Tap & Valve		EA										
7	6" x 6" Tap & Valve		EA										
8	4" x 4" Tap & Valve		EA										
9	8-Inch Gate Valve		EA										
10	Fire Hydrant Assembly		EA										
11	Reconnect 3/4" or 1" Water Service		EA										
12	Extension of 3/4" or 1" Water Service		LF										
13	6" Fire Service Connection & Valve		EA										
14	Extension of 6" Fire Service		LF										
15	New Curb Stop & Box		EA										
16	Granular Backfill		CY										
17	Asphalt Pavement R&R		SY										
18	Concrete Pavement R&R		SY										
19	Concrete Sidewalk R&R		SY										
20	High Early Concrete Drive R&R		SY										
21	High Early Concrete Pavement R&R		SY										
22	Concrete Curb & Gutter R&R		LF										
23	Concrete Curb R&R		LF										
24	Rip Rap	40	SY	\$60.00	\$2,396.00	\$45.00	\$1,800.00	\$107.00	\$4,280.00	\$43.40	\$1,736.00	\$48.00	\$1,920.00
25	Cut & Cap Existing 2" Pipe		EA										
26	Cut & Cap Existing 4" Pipe		EA										
27	Cut & Cap Existing 6" Pipe		EA										
28	Valve Box Removal		EA										
29	Rock Excavation	12	CY	\$375.00	\$4,500.00	\$350.00	\$4,200.00	\$1,137.00	\$13,644.00	\$439.00	\$5,268.00	\$500.00	\$6,000.00
30	Concrete Encasement	13	CY	\$340.00	\$4,414.00	\$355.00	\$4,615.00	\$1,397.00	\$18,161.00	\$740.00	\$9,620.00	\$900.00	\$11,700.00
31	Joint Restrain of Ex. 6" PVC Pipe	2	EA	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	\$3,000.00	\$6,000.00	\$1,100.00	\$2,200.00	\$600.00	\$1,200.00
32	Gabion Mattress	10	CY	\$200.00	\$1,940.00	\$320.00	\$3,200.00	\$545.00	\$5,450.00	\$680.00	\$6,800.00	\$1,000.00	\$10,000.00
33	Concrete Stream Liner	32	SY	\$60.00	\$1,890.00	\$110.00	\$3,520.00	\$255.00	\$8,160.00	\$186.00	\$5,952.00	\$180.00	\$5,760.00
OLD CAPE CREEK CROSSING SUBTOTAL (SUM 1-33) =				\$19,700.00		\$20,155.00		\$67,057.00		\$38,180.00		\$37,750.00	

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

E. Main St. Concrete Improvements				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
101	Clearing and Grubbing	0.1	AC	10,000.00	1,000.00	60,000.00	6,000.00	23,535.00	2,353.50	27,800.00	2,780.00	10,000.00	1,000.00
102	Removal of Improvements	1	LS	50,000.00	50,000.00	19,000.00	19,000.00	16,230.00	16,230.00	20,600.00	20,600.00	40,000.00	40,000.00
103	Class B Excavation	980	CY	10.00	9,800.00	14.00	13,720.00	6.85	6,713.00	33.30	32,634.00	15.00	14,700.00
104	Compacting Embankment	10	CY	20.00	200.00	35.00	350.00	8.00	80.00	26.40	264.00	20.00	200.00
105	Type 1 Aggregate for Base (6 in. thick)	1672	SY	15.00	25,080.00	6.25	10,450.00	6.50	10,868.00	8.60	14,379.20	9.00	15,048.00
106	Type 5 Aggregate for Base (4 in. thick)	32	SY	15.00	480.00	5.00	160.00	28.00	896.00	13.80	441.60	7.75	248.00
107	Concrete Pavement (8 in. non-reinforced)	1,370	SY	75.00	102,750.00	56.00	76,720.00	65.00	89,050.00	61.30	83,981.00	78.00	106,860.00
108	Concrete Pavement (6 in. non-reinforced)	163	SY	60.00	9,780.00	64.00	10,432.00	75.00	12,225.00	61.80	10,073.40	76.00	12,388.00
109	Integral Curb (6 in.)	488	LF	15.00	7,320.00	4.00	1,952.00	2.30	1,122.40	7.00	3,416.00	30.00	14,640.00
110	Concrete Sidewalk, 4in.	32	SY	40.00	1,280.00	90.00	2,880.00	65.00	2,080.00	58.70	1,878.40	50.00	1,600.00
111	Single Curb Inlet, Untrapped	1	EA	3,000.00	3,000.00	3,300.00	3,300.00	4,695.00	4,695.00	2,580.00	2,580.00	5,000.00	5,000.00
112	Double Curb Inlet, Untrapped	1	EA	4,500.00	4,500.00	3,500.00	3,500.00	5,400.00	5,400.00	6,890.00	6,890.00	8,000.00	8,000.00
113	Grate Inlet with Side Intake	4	EA	3,000.00	12,000.00	3,000.00	12,000.00	4,190.00	16,760.00	3,270.00	13,080.00	4,000.00	16,000.00
114	Rebuild Inlet in Place	1	EA	5,000.00	5,000.00	3,250.00	3,250.00	10,225.00	10,225.00	22,600.00	22,600.00	3,000.00	3,000.00
115	Paved Approach (6 in.)	58	SY	70.00	4,060.00	64.00	3,712.00	69.00	4,002.00	62.00	3,596.00	50.00	2,900.00
116	Furnishing Type 2 Rock Blanket	2	CY	100.00	200.00	250.00	500.00	59.00	118.00	37.50	75.00	60.00	120.00
117	Placing Type 2 Rock Blanket	2	CY	50.00	100.00	250.00	500.00	237.00	474.00	37.00	74.00	60.00	120.00
118	Sawcut (any Depth/Material)	151	LF	5.00	755.00	5.00	755.00	9.50	1,434.50	9.60	1,449.60	12.50	1,887.50
119	15 in. Pipe, Group A	185	LF	70.00	12,950.00	54.00	9,990.00	69.00	12,765.00	61.50	11,377.50	65.00	12,025.00
120	18 in. Pipe, Group A	74	LF	90.00	6,660.00	59.00	4,366.00	84.00	6,216.00	71.10	5,261.40	78.00	5,772.00
121	24 in. Pipe, Group A	142	LF	110.00	15,620.00	75.00	10,650.00	166.00	23,572.00	94.40	13,404.80	85.00	12,070.00
122	24 in. or Allowed Substitute Group A Flared End Section	1	EA	1,800.00	1,800.00	1,250.00	1,250.00	1,684.00	1,684.00	1,200.00	1,200.00	1,400.00	1,400.00
E. MAIN ST. CONCRETE IMPROVEMENTS SUBTOTAL (SUM 101-122) =				\$274,335.00		\$195,437.00		\$228,963.40		\$252,035.90		\$274,978.50	

Overall Project Traffic Control				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
34	Project Traffic Control	1	LS	\$15,000.00	\$15,000.00	\$14,500.00	\$14,500.00	\$29,975.00	\$29,975.00	\$21,600.00	\$21,600.00	\$6,000.00	\$6,000.00
MOBILIZATION/DEMOBILIZATION SUBTOTAL =				\$15,000.00		\$14,500.00		\$29,975.00		\$21,600.00		\$6,000.00	

CITY OF JACKSON, MO
WATER SYSTEM FACILITY PLAN IMPLEMENTATION PROJECT, PHASE 2 PROJECT 2C
BID TABULATION

Overall Project Mobilization/Demobilization				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Estimated Quantity	Unit	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price	Unit Bid Price	Extended Bid Price
35	Project Mobilization/Demobilization	1	LS	\$52,747.00	\$52,747.00	\$32,000.00	\$32,000.00	\$55,100.00	\$55,100.00	\$54,250.00	\$54,250.00	\$90,000.00	\$90,000.00
MOBILIZATION/DEMOBILIZATION SUBTOTAL =				\$52,747.00		\$32,000.00		\$55,100.00		\$54,250.00		\$90,000.00	

BID TOTAL SUMMARY				Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
	E. MAIN ST. (GEORGIA TO GOOSE CREEK)			\$194,700.00		\$162,369.00		\$160,798.00		\$185,872.80		\$176,290.00	
	S. MARYLAND ST.			\$87,000.00		\$80,379.00		\$93,895.00		\$109,273.80		\$103,080.00	
	E. MAIN ST. (LILLY TO BELLEVUE)			\$72,900.00		\$68,134.00		\$77,739.00		\$90,318.60		\$84,160.00	
	E. MAIN ST. (BELLEVUE TO NEAL)			\$55,700.00		\$47,982.00		\$57,064.00		\$55,879.00		\$50,898.00	
	BELLEVUE ST., WASHINGTON ST, & NEAL ST.			\$349,000.00		\$305,359.00		\$332,356.00		\$363,829.00		\$368,060.00	
	OLD CAPE CREEK CROSSING			\$19,700.00		\$20,155.00		\$67,057.00		\$38,180.00		\$37,750.00	
	E. MAIN ST. CONCRETE IMPROVEMENTS			\$274,335.00		\$195,437.00		\$228,963.40		\$252,035.90		\$274,978.50	
	OVERALL PROJECT - TRAFFIC CONTROL			\$15,000.00		\$14,500.00		\$29,975.00		\$21,600.00		\$6,000.00	
	OVERALL PROJECT - MOBILIZATION/DEMOBILIZATION			\$52,747.00		\$32,000.00		\$55,100.00		\$54,250.00		\$90,000.00	
TOTAL BID				\$1,121,082.00		\$926,315.00		\$1,102,947.40		\$1,171,239.10		\$1,191,216.50	

Supplemental Bid Items			Engineer's Estimate Horner & Shifrin		Fronabarger Concreters, Inc.		Nip Kelley Equipment Co., Inc		CE Contracting, Inc.		Putz Construction LLC	
Item	Description	Unit	Unit Bid Price		Unit Bid Price		Unit Bid Price		Unit Bid Price		Unit Bid Price	
1	Repair of Unknown Water Service	EA	-		\$2,500.00		\$2,980.00		\$1,500.00		\$2,000.00	
2	Downtime	HR	-		\$68.00		\$380.00		\$760.00		\$1,500.00	