



Strand Associates, Inc.®  
1170 South Houbolt Road  
Joliet, IL 60431  
(P) 815.744.4200  
www.strand.com

July 28, 2022

Mr. Mark Siefert, Director of Public Works  
City of Crest Hill  
1610 Plainfield Road  
Crest Hill, IL 60403

Re: West Sewage Treatment Plant Improvements Project–Bid Results  
Contract 1-2022  
City of Crest Hill, Illinois

Dear Mr. Siefert:

Bids for the above-referenced Project were opened on July 14, 2022. Three Bids were received with the resulting Bid tabulation enclosed. Vissering Construction Company of Streator, Illinois, was the apparent low Bidder at \$51,770,000. The Bid included a Bid Bond for 10 percent and Addendum Nos. 1 through 4 were acknowledged. The Bid is deemed to be responsive.

The Engineer's opinion of probable construction cost (OPCC) was \$40,000,000. The difference between the apparent low and the highest Bids is approximately 3.5 percent. Strand Associates, Inc.® believes this difference reflects an accurate assessment of the project scope by all bidders and that a bidding mistake by the apparent low bidder was unlikely. The difference between the apparent low Bid and the OPCC is approximately 29 percent. Strand believes the following may be reasons for this discrepancy.

1. Unanticipated high inflation rates have driven up material pricing; especially ductile iron piping, aluminum, and stainless steel. Most of the specific wastewater treatment equipment on this project consists of the latter two materials.
2. The Contract-required Bid pricing is to be held for 140 days to comply with Illinois Environmental Protection Agency bid-awarding rules. Subsequent conversations with equipment representatives revealed that they were apprehensive to hold their prices for this length of time, given generally high inflation and the volatility of the materials market, as previously stated.
3. The project duration was extended during the bidding period to account for unanticipated, extended "lead" times for equipment. Contractors specifically requested this extension during the bid period for fear of being unable to meet the original contractual deadlines. For example, motor control centers (MCC) now have one-year lead times. This resulted in increasing long-term hesitancy. If, for example, an MCC was not ordered until middle of 2023, contractors would face two additional years of inflation on their MCC price.
4. Space constraints on the West Sewage Treatment Plant site limit the "laydown" space available to contractors. Further, the Contract allows for 75 percent payment for equipment and materials stored off-site at the warehouse or contractor's facilities. The intention of this rule is to hold a contractor accountable for its ordered materials and to protect owners from a contractor trying to get paid early for work that has not been completed. The project also contains complex,

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Mr. Mark Siefert, Director of Public Works  
City of Crest Hill  
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July 28, 2022

multiyear phasing. Contractors were concerned they have to “float” several years of costs for materials that they could not order and stockpile.

5. Ongoing labor strikes in the area’s stone quarries are impacting stone and concrete costs.

A subsequent letter will discuss potential cost-saving measures to reduce overall project costs for the City of Crest Hill.

Strand Associates, Inc.® has previously worked with Vissering Construction Company on projects for Illinois American Water Company and Fox Metro Water Reclamation District. For those projects, the owners determined Vissering Construction Company to be responsible.

If you determine that Vissering Construction Company is a responsible Bidder after your evaluation of their qualifications, it is appropriate to proceed with issuing the Notice of Intent to Award of the Contract, in accordance with Article 18 of the Instructions to Bidders.

If you have questions regarding the information in this letter, please call 815-744-4200.

Sincerely,

STRAND ASSOCIATES, INC.®



Michael G. Ott, P.E.

Enclosure

Bids Received: 2 p.m.  
July 14, 2022

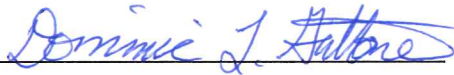
STRAND ASSOCIATES, INC.  
IDFPR No. 184-001273  
1170 Houbolt Road  
Joliet, IL 60435

CITY OF CREST HILL, ILLINOIS  
CREST HILL, ILLINOIS  
WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CONTRACT 1-2022

BID TABULATION SUMMARY

Bidder and Address	Bid Bond or Guarantee	Addenda Acknowledged	Bid Alternative No. 1	Lump Sum Base Bid
Vissering Construction Company 175 Benchmark Industrial Drive Streator, IL 61364	10%	1,2,3,4	\$ (630,000.00)	\$ 51,770,000.00
Williams Brothers Construction, Inc. P.O. Box 1366 Peoria, IL 61654	10%	1,2,3,4	\$ (525,000.00)	\$ 53,340,000.00
IHC Construction Companies, Inc. 385 Airport Drive, Suite 100 Elgin, IL 60123	10%	1,2,3,4	\$ (600,000.00)	\$ 53,569,000.00

Reviewed by:



Bids Received: 2 p.m.  
July 14, 2022


STRAND ASSOCIATES, INC.  
IDFPR No. 184-001273  
1170 Houbolt Road  
Joliet, IL 60435

CITY OF CREST HILL, ILLINOIS  
CREST HILL, ILLINOIS  
WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

CASH ALLOWANCES

BIDDER AND ADDRESS				Vissering Construction Company 175 Benchmark Industrial Drive Streator, IL 61364		Williams Brothers Construction, Inc. P.O. Box 1366 Peoria, IL 61654		IHC Construction Companies, Inc. 385 Airport Drive, Suite 100 Elgin, IL 60123	
Item No.	Description	Quantity Included in the Lump Sum Base Bid	Unit	Unit Price	Total Included in Lump Sum Bid	Unit Price	Total Included in Lump Sum Bid	Unit Price	Total Included in Lump Sum Bid
1.	Solids Removal and Disposal by Land Application (Section 02 77 50)	20,000	GAL	\$ 1.15	\$ 23,000.00	\$ 2.00	\$ 40,000.00	\$ 1.65	\$ 33,000.00
2.	Solids Removal and Disposal by Landfill (Section 02 77 50)	150,000	GAL	\$ 1.65	\$ 247,500.00	\$ 1.25	\$ 187,500.00	\$ 1.15	\$ 172,500.00
3.	Filter Medial Removal and Disposal by Landfill (Section 02 77 50)	110	DT	\$ 700.00	\$ 77,000.00	\$ 750.00	\$ 82,500.00	\$ 700.00	\$ 77,000.00
4.	Top of Wall Repairs (Section 03 01 30)	100	CF	\$ 50.00	\$ 5,000.00	\$ 250.00	\$ 25,000.00	\$ 500.00	\$ 50,000.00
5.	Wall Vertical Surface and Underside of Slab Repairs (Section 03 01 30)	100	CF	\$ 75.00	\$ 7,500.00	\$ 250.00	\$ 25,000.00	\$ 525.00	\$ 52,500.00
6.	Top of Slab Surface Repairs (Section 03 01 30)	100	CF	\$ 25.00	\$ 2,500.00	\$ 250.00	\$ 25,000.00	\$ 500.00	\$ 50,000.00
7.	Crack Injection (Section 07 95 00)	500	LF	\$ 10.00	\$ 5,000.00	\$ 100.00	\$ 50,000.00	\$ 175.00	\$ 87,500.00
8.	Disposal of Blast Residue (Section 09 91 00)	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
9.	Laboratory Equipment (Section 11 53 00)	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
10.	Office Furniture (Section 12 51 00)	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
11.	SCADA Computer Allowance (Section 26 09 01)	1	LS	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
12.	Electric Utility Service Entrance (Section 26 21 00)	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
13.	VoIP Phone System Allowance (Section 27 10 00)	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
14.	Unsuitable Foundation Material for Structures and Roads (Section 31 23 00)	1,000	CY	\$ 90.00	\$ 90,000.00	\$ 101.61	\$ 101,610.00	\$ 115.00	\$ 115,000.00
				*	\$ 9,000.00				
15.	Unsuitable Foundation Material for Utility Trenches (Section 31 23 00)	1,000	CY	\$ 90.00	\$ 90,000.00	\$ 100.00	\$ 100,000.00	\$ 80.00	\$ 80,000.00
				*	\$ 9,000.00				

BIDDER AND ADDRESS				Vissering Construction Company 175 Benchmark Industrial Drive Streator, IL 61364		Williams Brothers Construction, Inc. P.O. Box 1366 Peoria, IL 61654		IHC Construction Companies, Inc. 385 Airport Drive, Suite 100 Elgin, IL 60123	
Item No.	Description	Quantity Included in the Lump Sum Base Bid	Unit	Unit Price	Total Included in Lump Sum Bid	Unit Price	Total Included in Lump Sum Bid	Unit Price	Total Included in Lump Sum Bid
16.	Excavation and Disposal of Solid Waste Fill Material (Section 31 23 00)	200	T	\$ 25.00	\$ 5,000.00	\$ 52.05	\$ 10,410.00	\$ 70.00	\$ 14,000.00
17.	Rock Removal for Structures and Roads (Section 31 23 16.26)	5,500	CY	\$ 135.00	\$ 742,500.00	\$ 75.00	\$ 412,500.00	\$ 170.00	\$ 935,000.00
18.	Rock Removal for Utility Trenches (Section 31 23 16.26)	2,750	CY	\$ 150.00	\$ 412,500.00	\$ 95.00	\$ 261,250.00	\$ 125.00	\$ 343,750.00
19.	Natural Gas Utility Service (Section 33 52 16)	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00

Reviewed by 

EQUIPMENT ALTERNATIVES  
CITY OF CREST HILL, ILLINOIS  
CREST HILL, ILLINOIS  
WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CONTRACT 1-2022

EQUIPMENT ALTERNATIVES

	Vissering Construction Company, Inc. 175 Benchmark Industrial Drive Streator, IL 61364					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
A.	Fiberglass Reinforced Plastic Chemical Tank (Section 06 61 60)	<b>Plas-Tanks</b> <b>OR</b> <b>Belding</b>	\$60,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
B.	Control Panels and Instrumentation (Section 26 09 00)	<del>Frakes Engineering</del> <b>OR</b> <del>Integrated Process Solutions</del> <b>OR</b> <b>Wunderlich-Malec</b> <b>OR</b> <del>Energence</del>	\$1,300,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
C.	SCADA Programming (Section 26 09 01)	Concentric Integration	\$600,000	<u>Frakes Engineering</u>	(+) _____	(-) <u>130,000</u>
				<u>Integrated Process Solutions</u>	(+) _____	(-) <u>300,000</u>
				<u>Wunderlich-Malec</u>	(+) _____	(-) <u>350,000</u>
D.	Sluice Gates (Section 40 05 59.20)	RW Gate	\$300,000	_____	(+) _____	(-) _____
E.	Slide Gates (Section 40 05 59.23)	RW Gate	\$300,000	_____	(+) _____	(-) _____
F.	Tri-lobe Positive Displacement Blowers (Section 43 11 33.11)	Aerzen	\$560,000	<u>Kaeser</u>	(+) _____	(-) <u>150,000</u>
				_____	(+) _____	(-) _____

	Vissering Construction Company, Inc. 175 Benchmark Industrial Drive Streator, IL 61364					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
G.	Rotary Lobe Blowers (Section 43 11 33.12)	Aerzen	\$260,000	<u>Kaeser</u>	(+) <u>25,000</u>	(-) _____
				_____	(+) _____	(-) _____
H.	Plant Water Pumping System (Section 43 21 06)	Grundfos	\$150,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
I.	Centrifugal Sludge Pumps (Section 43 23 21)	Wemco	\$100,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
J.	Rotary Lobe Pumps (Section 43 23 58)	Boerger	\$650,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
K.	Internal Recycle Pumps (Section 43 24 13)	Xylem	\$185,000	<u>Wilo USA</u>	(+) <u>No Bid</u>	(-) _____
				_____	(+) _____	(-) _____
L.	Submersible Pumps (Section 43 25 10)	Xylem	\$575,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
M.	Samplers (Section 46 09 00)	Hach	\$25,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
N.	Center Flow Screens (Section 46 21 53)	Hydro-Dyne Engineering	\$400,000	<u>JWC</u>	(+) <u>No Bid</u>	(-) _____
				_____	(+) _____	(-) _____
O.	Screenings Wash Presses (Section 46 21 23)	Hydro-Dyne Engineering	\$250,000	<u>JWC</u>	(+) <u>No Bid</u>	(-) _____
				_____	(+) _____	(-) _____

	Vissering Construction Company, Inc. 175 Benchmark Industrial Drive Streator, IL 61364					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
P.	Grit Pump (Section 46 23 22)	Wemco	\$40,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
Q.	Grit Collector (Section 46 23 23)	Hydro International	\$250,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
R.	Grit Washer (Section 46 23 63)	Hydro International	\$160,000	Huber	(+) No Bid	(-) _____
				_____	(+) _____	(-) _____
S.	Chemical Phosphorus Removal Equipment (Section 46 33 00)	Watson-Marlow	\$80,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
T.	Chemical Tablet Feeding Equipment (Section 46 36 53)	Axiall Corporation	\$80,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
U.	Submersible Mixers (Section 46 46 23)	Xylem	\$215,000	Wilo USA	(+) No Bid	(-) _____
				_____	(+) _____	(-) _____
V.	Primary Clarifier Collectors (Section 46 43 21)	Walker Process	\$400,000	Evoqua	(+) No Bid	(-) _____
				_____	(+) _____	(-) _____
W.	Excess Flow Clarifier Collector (Section 46 43 22)	Walker Process	\$375,000	Evoqua	(+) No Bid	(-) _____
				_____	(+) _____	(-) _____
X.	Final Clarifier Collectors (Section 46 43 23)	Walker Process	\$600,000	Evoqua	(+) No Bid	(-) _____
				_____	(+) _____	(-) _____



	Vissering Construction Company, Inc. 175 Benchmark Industrial Drive Streator, IL 61364					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
Y.	Aeration Equipment–Aeration Tanks and Post Aeration (Section 46 51 46)	Sanitaire	\$125,000	<u>Evoqua</u> <u>Aquarius</u> _____	(+) <u>No Bid</u> (+) <u>50,000</u> (+) _____	(-) _____ (-) _____ (-) _____
Z.	Aeration Equipment–Aerobic Digesters (Section 46 51 46)	Sanitaire	\$75,000	<u>Evoqua</u> <u>Aquarius</u> _____	(+) <u>No Bid</u> (+) <u>50,000</u> (+) _____	(-) _____ (-) _____ (-) _____
AA	Tertiary Disc Filters (Section 46 61 41)	Westech	\$950,000	<u>Veolia Water Technologies</u> _____	(+) <u>No Bid</u> (+) _____	(-) _____ (-) _____
BB	Ultraviolet Disinfection (Section 46 60 56)	WEDECO	\$280,000	_____ _____ _____	(+) _____ (+) _____	(-) _____ (-) _____
CC	Centrifuge Dewatering Equipment (Section 46 76 33)	Centrisys	\$745,000	_____ _____ _____	(+) _____ (+) _____	(-) _____ (-) _____

	Williams Brothers Construction, Inc. P.O. Box 1366 Peoria, IL 61654					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
A.	Fiberglass Reinforced Plastic Chemical Tank (Section 06 61 60)	<b>Plas-Tanks</b> <del>OR</del> <del>Bolding</del>	\$50,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
B.	Control Panels and Instrumentation (Section 26 09 00)	<del>Frakes Engineering</del> <del>OR</del> <b>Integrated Process Solutions</b> <del>OR</del> <del>Wunderlich-Malec</del> <del>OR</del> <del>Energences</del>	\$1,380,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
C.	SCADA Programming (Section 26 09 01)	Concentric Integration	\$606,000	<u>Frakes Engineering</u>	(+)_____	(-)_____ 130,000
				<u>Integrated Process Solutions</u>	(+)_____	(-)_____ 300,000
				<u>Wunderlich-Malec</u>	(+)_____	(-)_____ 310,000
D.	Sluice Gates (Section 40 05 59.20)	RW Gate	\$100,000	_____	(+)_____	(-)_____
E.	Slide Gates (Section 40 05 59.23)	RW Gate	\$350,000	_____	(+)_____	(-)_____
F.	Tri-lobe Positive Displacement Blowers (Section 43 11 33.11)	Aerzen	\$260,000	<u>Kaeser</u>	(+)_____	(-)_____
				_____	(+)_____	(-)_____
G.	Rotary Lobe Blowers (Section 43 11 33.12)	Aerzen	\$560,000	<u>Kaeser</u>	(+)_____	(-)_____
				_____	(+)_____	(-)_____
H.	Plant Water Pumping System (Section 43 21 06)	Grundfos	\$150,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____

Williams Brothers Construction, Inc. P.O. Box 1366 Peoria, IL 61654						
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
I.	Centrifugal Sludge Pumps (Section 43 23 21)	Wemco	\$100,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
J.	Rotary Lobe Pumps (Section 43 23 58)	Boerger	\$450,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
K.	Internal Recycle Pumps (Section 43 24 13)	Xylem	\$175,000	Wilo USA	(+)_____	(-)_____
				_____	(+)_____	(-)_____
L.	Submersible Pumps (Section 43 25 10)	Xylem	\$525,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
M.	Samplers (Section 46 09 00)	Hach	\$30,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
N.	Center Flow Screens (Section 46 21 53)	Hydro-Dyne Engineering	\$300,000	JWC	(+)_____	(-)_____
				_____	(+)_____	(-)_____
O.	Screenings Wash Presses (Section 46 21 23)	Hydro-Dyne Engineering	\$300,000	JWC	(+)_____	(-)_____
				_____	(+)_____	(-)_____
P.	Grit Pump (Section 46 23 22)	Wemco	\$40,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____

Williams Brothers Construction, Inc. P.O. Box 1366 Peoria, IL 61654						
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
Q.	Grit Collector (Section 46 23 23)	Hydro International	\$250,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
R.	Grit Washer (Section 46 23 63)	Hydro International	\$160,000	Huber	(+)_____	(-)_____
				_____	(+)_____	(-)_____
S.	Chemical Phosphorus Removal Equipment (Section 46 33 00)	Watson-Marlow	\$80,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
T.	Chemical Tablet Feeding Equipment (Section 46 36 53)	Axiall Corporation	\$80,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
U.	Submersible Mixers (Section 46 46 23)	Xylem	\$200,000	Wilo USA	(+)_____	(-)_____
				_____	(+)_____	(-)_____
V.	Primary Clarifier Collectors (Section 46 43 21)	Walker Process	\$360,000	Evoqua	(+)_____	(-)_____
				_____	(+)_____	(-)_____
W.	Excess Flow Clarifier Collector (Section 46 43 22)	Walker Process	\$350,000	Evoqua	(+)_____	(-)_____
				_____	(+)_____	(-)_____
X.	Final Clarifier Collectors (Section 46 43 23)	Walker Process	\$550,000	Evoqua	(+)_____	(-)_____
				_____	(+)_____	(-)_____

Williams Brothers Construction, Inc. P.O. Box 1366 Peoria, IL 61654						
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
Y.	Aeration Equipment– Aeration Tanks and Post Aeration (Section 46 51 46)	Sanitaire	\$100,000	<u>Evoqua</u>  <u>Aquarius</u>  _____	(+)_____ (+)_____ (+)_____	(-)_____ (-)_____ (-)_____
Z.	Aeration Equipment– Aerobic Digesters (Section 46 51 46)	Sanitaire	\$100,000	<u>Evoqua</u>  <u>Aquarius</u>  _____	(+)_____ (+)_____ (+)_____	(-)_____ (-)_____ (-)_____
AA.	Tertiary Disc Filters (Section 46 61 41)	Westech	\$850,000	<u>Veolia Water Technologies</u>  _____	(+)_____ (+)_____	(-)_____ (-)_____
BB.	Ultraviolet Disinfection (Section 46 60 56)	WEDECO	\$250,000	_____  _____	(+)_____ (+)_____	(-)_____ (-)_____
CC.	Centrifuge Dewatering Equipment (Section 46 76 33)	Centrisys	\$680,000	_____  _____	(+)_____ (+)_____	(-)_____ (-)_____

	IHC Construction Companies, Inc. 385 Airport Drive, Suite 100 Elgin, IL 60123					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
A.	Fiberglass Reinforced Plastic Chemical Tank (Section 06 61 60)	<del>Plas-Tanks</del> <b>OR</b> <b>Belding</b>	\$57,015	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
B.	Control Panels and Instrumentation (Section 26 09 00)	<del>Frakes Engineering</del> <b>OR</b> <del>Integrated Process Solutions</del> <b>OR</b> <del>Wunderlich-Malec</del> <b>OR</b> <b>Energenecs</b>	\$1,060,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____
C.	SCADA Programming (Section 26 09 01)	Concentric Integration	\$566,200	<u>Frakes Engineering</u>	(+) <u>56,620</u>	(-) _____
				<u>Integrated Process Solutions</u>	(+) <u>56,620</u>	(-) _____
				<u>Wunderlich-Malec</u>	(+) <u>56,620</u>	(-) _____
D.	Sluice Gates (Section 40 05 59.20)	RW Gate	\$243,500	_____	(+) _____	(-) _____
E.	Slide Gates (Section 40 05 59.23)	RW Gate	\$243,500	_____	(+) _____	(-) _____
F.	Tri-lobe Positive Displacement Blowers (Section 43 11 33.11)	Aerzen	\$260,000	<u>Kaeser</u>	(+) <u>26,000</u>	(-) _____
				_____	(+) _____	(-) _____
G.	Rotary Lobe Blowers (Section 43 11 33.12)	Aerzen	\$560,000	<u>Kaeser</u>	(+) <u>56,000</u>	(-) _____
				_____	(+) _____	(-) _____
H.	Plant Water Pumping System (Section 43 21 06)	Grundfos	\$150,000	_____	(+) _____	(-) _____
				_____	(+) _____	(-) _____

	IHC Construction Companies, Inc. 385 Airport Drive, Suite 100 Elgin, IL 60123					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
I.	Centrifugal Sludge Pumps (Section 43 23 21)	Wemco	\$100,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
J.	Rotary Lobe Pumps (Section 43 23 58)	Boerger	\$487,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
K.	Internal Recycle Pumps (Section 43 24 13)	Xylem	\$185,000	Wilo USA	(+)_____	(-)_____
				_____	(+)_____	(-)_____
L.	Submersible Pumps (Section 43 25 10)	Xylem	\$575,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
M.	Samplers (Section 46 09 00)	Hach	\$54,795	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
N.	Center Flow Screens (Section 46 21 53)	Hydro-Dyne Engineering	\$243,500	JWC	(+) 24,350	(-)_____
				_____	(+)_____	(-)_____
O.	Screenings Wash Presses (Section 46 21 23)	Hydro-Dyne Engineering	\$243,500	JWC	(+) 24,350	(-)_____
				_____	(+)_____	(-)_____
P.	Grit Pump (Section 46 23 22)	Wemco	\$40,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____

	IHC Construction Companies, Inc. 385 Airport Drive, Suite 100 Elgin, IL 60123					
	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
Q.	Grit Collector (Section 46 23 23)	Hydro International	\$250,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
R.	Grit Washer (Section 46 23 63)	Hydro International	\$160,950	Huber	(+)16,095	(-)_____
				_____	(+)_____	(-)_____
S.	Chemical Phosphorus Removal Equipment (Section 46 33 00)	Watson-Marlow	\$80,000	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
T.	Chemical Tablet Feeding Equipment (Section 46 36 53)	Axiall Corporation	\$79,780	_____	(+)_____	(-)_____
				_____	(+)_____	(-)_____
U.	Submersible Mixers (Section 46 46 23)	Xylem	\$215,000	Wilo USA	(+)21,500	(-)_____
				_____	(+)_____	(-)_____
V.	Primary Clarifier Collectors (Section 46 43 21)	Walker Process	\$400,000	Evoqua	(+)40,000	(-)_____
				_____	(+)_____	(-)_____
W.	Excess Flow Clarifier Collector (Section 46 43 22)	Walker Process	\$375,000	Evoqua	(+)37,500	(-)_____
				_____	(+)_____	(-)_____
X.	Final Clarifier Collectors (Section 46 43 23)	Walker Process	\$600,000	Evoqua	(+)60,000	(-)_____
				_____	(+)_____	(-)_____



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	Item	Equipment Base Bid Manufacturer Included in the Lump Sum Base Bid (Circle One)	Cost of Equipment Included in the Lump Sum Base Bid	Alternative Manufacturer	Add to Base Bid for Alternative Manufacturer	Deduct From Base Bid for Alternative Manufacturer
Y.	Aeration Equipment– Aeration Tanks and Post Aeration (Section 46 51 46)	Sanitaire	\$106,000	<u>Evoqua</u>  <u>Aquarius</u>  _____	(+) <u>10,600</u> (+) <u>10,600</u> (+) _____	(-) _____ (-) _____ (-) _____
Z.	Aeration Equipment– Aerobic Digesters (Section 46 51 46)	Sanitaire	\$94,000	<u>Evoqua</u>  <u>Aquarius</u>  _____	(+) <u>9,400</u> (+) <u>9,400</u> (+) _____	(-) _____ (-) _____ (-) _____
AA.	Tertiary Disc Filters (Section 46 61 41)	Westech	\$950,000	<u>Veolia Water Technologies</u>  _____	(+) <u>95,000</u> (+) _____	(-) _____ (-) _____
BB.	Ultraviolet Disinfection (Section 46 60 56)	WEDECO	\$280,000	_____  _____	(+) _____ (+) _____	(-) _____ (-) _____
CC.	Centrifuge Dewatering Equipment (Section 46 76 33)	Centrisys	\$745,000	_____  _____	(+) _____ (+) _____	(-) _____ (-) _____