

# BID OPENING SUMMARY



409 22nd Ave So. PO Box 298

**PROJECT:** Madison Water System Improvements

750,000 Gallon Water Tower

22831.00.30

Certified By: **Pat Carey, PE**

Digitally signed by Pat Carey, PE  
Location: Brookings, SD  
Contact Info: patc@bannerassociates.com  
Date: 2020.08.19 15:10:21 -0500

**OWNER:** City of Madison

Date : **8-14-2020**

**ENGINEER:** Banner Associates, Inc.

**BID DATE:** August 11, 2020 @ 11:00 am

**ENGINEER'S ESTIMATE**

**\$2,500,000 - \$2,700,000**

BIDDER		OTHER REQUIREMENTS
Maguire Iron, Inc. P.O. Box 1446 Sioux Falls, SD 57101	<b>Ack. Addendum</b> <input checked="" type="checkbox"/> Add. No. 1 <b>Tower Style</b> <input type="checkbox"/> Composite <input checked="" type="checkbox"/> Spheroid <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bid Security - 10% Bid Bond <input checked="" type="checkbox"/> Compliance Statement <input checked="" type="checkbox"/> Certificate of Non-Segregated Facilities <input checked="" type="checkbox"/> Certification Regarding Debarment, Suspension, Ineligibility <input checked="" type="checkbox"/> Certification of Contracts, Grants, & Loans <input checked="" type="checkbox"/> Disclosure of Lobbying Activities
<b>TOTAL LUMP SUM BID PRICE (BASE BID)</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$2,215,000.00</div>		<b>BID ALTERNATE 1</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$8,000.00</div>
<div style="display: flex; justify-content: space-between;"> <div>16,100 square feet of Exterior Coating Area</div> <div>18,050 square feet of Interior Coating Area</div> <div>34,150 square feet of TOTAL Coating Area</div> <div>742,000 Gallons</div> </div>		

BIDDER		OTHER REQUIREMENTS
Caldwell Tanks, Inc. 4000 Tower Road Louisville, KY 40219	<b>Ack. Addendum</b> <input checked="" type="checkbox"/> Add. No. 1 <b>Tower Style</b> <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Spheroid <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bid Security - 10% Bid Bond <input checked="" type="checkbox"/> Compliance Statement <input checked="" type="checkbox"/> Certificate of Non-Segregated Facilities <input checked="" type="checkbox"/> Certification Regarding Debarment, Suspension, Ineligibility <input checked="" type="checkbox"/> Certification of Contracts, Grants, & Loans <input checked="" type="checkbox"/> Disclosure of Lobbying Activities
<b>TOTAL LUMP SUM BID PRICE (BASE BID)</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$2,655,000.00</div>		<b>BID ALTERNATE 1</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$12,700.00</div>
<div style="display: flex; justify-content: space-between;"> <div>11,580 square feet of Exterior Coating Area</div> <div>15,900 square feet of Interior Coating Area</div> <div>27,480 square feet of TOTAL Coating Area</div> <div>750,501 Gallons</div> </div>		

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<b>TOTAL LUMP SUM BID PRICE (BASE BID)</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$2,815,000.00</div>		<b>BID ALTERNATE 1</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$12,700.00</div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <div style="border-bottom: 1px solid black; text-align: right;">17,300</div> <div style="border-bottom: 1px solid black; text-align: right;">19,800</div> <div style="border-bottom: 1px solid black; text-align: right;">37,100</div> <div style="border-bottom: 1px solid black; text-align: right;">750,000</div> </div> <div style="width: 70%;">                     square feet of Exterior Coating Area                      square feet of Interior Coating Area                      square feet of TOTAL Coating Area                      Gallons                 </div> </div>		

BIDDER		OTHER REQUIREMENTS
Phoenix Fabricators & Erectors, LLC 182 South Country Road 900 East Avon, IN 46123	<b>Ack. Addendum</b> <input checked="" type="checkbox"/> Add. No. 1 <b>Tower Style</b> <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Spheroid <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bid Security - 10% Bid Bond <input checked="" type="checkbox"/> Compliance Statement <input checked="" type="checkbox"/> Certificate of Non-Segregated Facilities <input checked="" type="checkbox"/> Certification Regarding Debarment, Suspension, Ineligibility <input checked="" type="checkbox"/> Certification of Contracts, Grants, & Loans <input checked="" type="checkbox"/> Disclosure of Lobbying Activities
<b>TOTAL LUMP SUM BID PRICE (BASE BID)</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$2,920,700.00</div>		<b>BID ALTERNATE 1</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$500.00</div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <div style="border-bottom: 1px solid black; text-align: right;">12,075</div> <div style="border-bottom: 1px solid black; text-align: right;">15,240</div> <div style="border-bottom: 1px solid black; text-align: right;">27,315</div> <div style="border-bottom: 1px solid black; text-align: right;">750,000</div> </div> <div style="width: 70%;">                     square feet of Exterior Coating Area                      square feet of Interior Coating Area                      square feet of TOTAL Coating Area                      Gallons                 </div> </div>		

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<b>TOTAL LUMP SUM BID PRICE (BASE BID)</b> <div style="border: 1px solid black; padding: 2px; width: 200px; margin: 0 auto;">\$2,888,000.00</div>		<b>BID ALTERNATE 1</b> <div style="border: 1px solid black; padding: 2px; width: 200px; margin: 0 auto;">\$500.00</div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> </div> <div style="width: 80%;"> <div>16,730 square feet of Exterior Coating Area</div> <div>20,310 square feet of Interior Coating Area</div> <div>37,040 square feet of TOTAL Coating Area</div> <div>750,000 Gallons</div> </div> </div>		

BIDDER		OTHER REQUIREMENTS
Gerard Tank & Steel, Inc. 1540 East 11th Street Concordia, KS 66901	<b>Ack. Addendum</b> <input checked="" type="checkbox"/> Add. No. 1 <b>Tower Style</b> <input type="checkbox"/> Composite <input checked="" type="checkbox"/> Spheroid <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bid Security - 10% Bid Bond <input checked="" type="checkbox"/> Compliance Statement <input checked="" type="checkbox"/> Certificate of Non-Segregated Facilities <input checked="" type="checkbox"/> Certification Regarding Debarment, Suspension, Ineligibility <input checked="" type="checkbox"/> Certification of Contracts, Grants, & Loans <input checked="" type="checkbox"/> Disclosure of Lobbying Activities
<b>TOTAL LUMP SUM BID PRICE (BASE BID)</b> <div style="border: 1px solid black; padding: 2px; width: 200px; margin: 0 auto;">\$2,225,000.00</div>		<b>BID ALTERNATE 1</b> <div style="border: 1px solid black; padding: 2px; width: 200px; margin: 0 auto;">NO BID</div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> </div> <div style="width: 80%;"> <div>15,457 square feet of Exterior Coating Area*</div> <div>17,027 square feet of Interior Coating Area*</div> <div>32,484 square feet of TOTAL Coating Area</div> <div>753,400 Gallons</div> </div> </div>		

\*Quantity adjusted via email on 8/13/2020

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**BID DATE:** August 11, 2020 @ 11:00 am

**ENGINEER'S ESTIMATE**

**\$2,500,000 - \$2,700,000**

BIDDER		OTHER REQUIREMENTS
Landmark Structures 1665 Harmon Road Fort Worth, TX 76177	<b>Ack. Addendum</b> <input checked="" type="checkbox"/> Add. No. 1 <b>Tower Style</b> <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Spheroid <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bid Security - 10% Bid Bond <input checked="" type="checkbox"/> Compliance Statement <input checked="" type="checkbox"/> Certificate of Non-Segregated Facilities <input checked="" type="checkbox"/> Certification Regarding Debarment, Suspension, Ineligibility <input checked="" type="checkbox"/> Certification of Contracts, Grants, & Loans <input checked="" type="checkbox"/> Disclosure of Lobbying Activities
<b>TOTAL LUMP SUM BID PRICE (BASE BID)</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$2,833,000.00</div>		<b>BID ALTERNATE 1</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">\$15,000.00</div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%; text-align: right;"> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100px;"></div> </div> <div style="width: 80%;"> <div>12,611 square feet of Exterior Coating Area</div> <div>14,111 square feet of Interior Coating Area</div> <div>26,722 square feet of TOTAL Coating Area</div> <div>750,000 Gallons</div> </div> </div>		



LIFECYCLE COST ANALYSIS

Bid Opening Time & Date: Tuesday, August 11, 2020 @ 11:00 am  
Project Madison Water System Improvements - 750,000 Gallon Water Tower  
Madison, South Dakota  
BAH: 22831.00.30

Bid Opening Location: City of Madison  
116 West Center Street  
Madison, South Dakota 57042

Estimated Elevated Tank Life: 50 Yrs

Coatings Schedule	Coatings Life ( Years )			Inflation Rate (%)	
	Repair*	Overcoat	Blast & Recoat		
Exterior		30	45	2.50	
Interior	16		21		

\*Repairs will be over 10% of surfaces

Bidder	Maguire Iron, Inc.			Caldwell Tanks, Inc.			Phoenix Fabricators & Erectors, LLC			Gerard Tank & Steel, Inc.		
Elevated Tank Type	Spheroid			Spheroid			Spheroid			Spheroid		
Capacity (Gal X1000)	742			750			750			753		
Coatings Areas (s.ft.)												
-Exterior	16,100			17,300			16,730			15,457		
-Interior	18,050			19,800			20,310			17,027		
-Total	34,150			37,100			37,040			32,484		
Coatings Maintenance Cost												
(\$ per s.ft.)	Repair	Overcoat	Blast & Repaint	Repair	Overcoat	Blast & Repaint	Repair	Overcoat	Blast & Repaint	Repair	Overcoat	Blast & Repaint
Exterior		\$10.22	\$19.71		\$10.22	\$19.71		\$10.22	\$19.71		\$10.22	\$19.71
Interior	\$4.96		\$16.74	\$4.96		\$16.74	\$4.96		\$16.74	\$4.96		\$16.74
Summary of Coatings Maintenance \$												
Exterior												
Year		Overcoat	Blast & Repaint									
30		X		\$345,138			\$370,863			\$358,643		
45			X	\$964,021			\$1,035,873			\$1,001,743		
Total	\$1,309,159			\$1,406,736			\$1,360,387			\$1,256,874		
Interior												
Year		Repair	Blast & Recoat									
16		X		\$13,290			\$14,579			\$14,955		
21			X	\$507,497			\$556,701			\$571,040		
37		X		\$22,322			\$24,487			\$25,117		
42			X	\$852,383			\$935,024			\$959,108		
Total	\$1,395,494			\$1,530,791			\$1,570,220			\$1,316,403		
Coatings Maintenance \$	\$2,704,653			\$2,937,527			\$2,930,607			\$2,573,277		

Coatings Maintenance \$	\$2,704,653	Coatings Maintenance \$	\$2,937,527	Coatings Maintenance \$	\$2,930,607	Coatings Maintenance \$	\$2,573,277	Coatings Maintenance \$	\$2,170,890	Coatings Maintenance \$	\$2,160,114	Coatings Maintenance \$	\$2,116,413
Capital \$	\$2,215,000	Capital \$	\$2,815,000	Capital \$	\$2,888,000	Capital \$	\$2,225,000	Capital \$	\$2,655,000	Capital \$	\$2,920,700	Capital \$	\$2,833,000
Total Lifecycle \$	\$4,919,653	Total Lifecycle \$	\$5,752,527	Total Lifecycle \$	\$5,818,607	Total Lifecycle \$	\$4,798,277	Total Lifecycle \$	\$4,825,890	Total Lifecycle \$	\$5,080,814	Total Lifecycle \$	\$4,949,413
Lifecycle \$/ gal.	\$6.630	Lifecycle \$/ gal.	\$7.670	Lifecycle \$/ gal.	\$7.758	Lifecycle \$/ gal.	\$6.369	Lifecycle \$/ gal.	\$6.430	Lifecycle \$/ gal.	\$6.774	Lifecycle \$/ gal.	\$6.599

Certified By: Pat Carey, PE

Date: 8-14-2020