



City of Muscatine



AGENDA ITEM SUMMARY

City Council

DATE:

April 1, 2021

STAFF

Pat Lynch, City Engineer

SUBJECT

Resolution Awarding the Contract for Phase 5 of the West Hill Sanitary and Storm Sewer Separation Project (WHSSSP) to Hagerty Earthworks, LLC for the amount of \$6,029,957.45.

EXECUTIVE SUMMARY

The City of Muscatine Public Works Department with the assistance of Stanley Consultants have completed the Plans and Specifications for Phase 5 of the WHSSSP. The bids for this project were received on March 9, 2021 at 2:00 pm and have been tabulated (bid tab attached). Hagerty Earthworks, LLC was the apparent low responsive, responsible bidder with a bid of \$6,029,957.45.

STAFF RECOMMENDATION

Staff recommends Council adopt a resolution to award the contract for Phase 5 of the West Hill Sewer and Storm Separation Project (WHSSSP) to Hagerty Earthworks, LLC in the amount of \$6,029,957.45.

BACKGROUND/DISCUSSION

This is Phase 5 of the sewer separation project started in 2013 and is scheduled to run through 2028. The proposed schedule for this phase is shown below:

SET PUBLIC HEARING FOR FEBRUARY 18, 2021	02-04-2021
HOLD PUBLIC HEARING	02-18-2021
APPROVE PLANS AND SPECIFICATIONS	02-18-2021
RECEIVE AND OPEN BIDS	03-09-2021
RECOMMEND AWARD	04-01-2021
REQUEST APPROVAL OF CONTRACT AND BONDS	04-15-2021
NOTICE TO PROCEED – PH 5A	04-16-2021

Phase 5B is anticipated to begin in the Spring of 2022.

These yearly projects are to completely separate the older combined sewers in Muscatine. This is due to an EPA mandate. So, to keep on a schedule to complete the separations by the imposed deadline, Phase 5 must be built by the end of calendar year 2022.

CITY FINANCIAL IMPACT

The budget is available to complete these projects from identified sources. The cost for this project was estimated to be between \$7,800,000 and 8,000,000. A portion of this project will be reimbursed by MP&W for watermain work in this area. The City's portion of the project will be funded from the Local Option Sales Tax.

ATTACHMENTS

- Bid Tab
- Stanley Letter of Recommendation

RESOLUTION NO. 2021-0010

AWARD CONTRACT FOR

**WEST HILL SANITARY AND STORM SEWER
SEPARATION PROJECT – PHASE 5**

It is resolved that the following bid is determined to be the lowest responsible bid for the West Hill Sanitary and Storm Sewer Separation Project – Phase 5.

<u>NAME & ADDRESS CONTRACTOR</u>	<u>AMOUNT OF BID</u>
Hagerty Earthworks, LLC Muscatine, IA	\$6,029,957.45

It is further resolved that the West Hill Sanitary and Storm Sewer Separation Project – Phase 5 is awarded to the above named contractor for \$6,029,957.45, and the Mayor and City Clerk are authorized and directed to enter into a written contract with said contractor covering the furnishing of material for, and construction of the West Hill Sanitary and Storm Sewer Separation Project – Phase 5, such contract not to be binding until approved by resolution of this Council.

It is further resolved that the amount of the contractor's bond is fixed at \$6,029,957.45, which is one hundred percent of the contract price.

PASSED, APPROVED, AND ADOPTED THIS 1st DAY OF APRIL, 2021.

Diana Broderson, Mayor

ATTEST:

Carol Webb, City Administrator

WEST HILL AREA - SANITARY AND STORM SEWER SEPARATION - PHASE 5 - BID SUMMARY

Bids Received - 03/09/2021

BID SUMMARY - CALCULATED

	Estimate	Triple B (Note 1)	Hagerty	Heuer (Note 2)	KE Flatwork	Langman
Phase 5A	\$ 3,914,484.30	\$ 2,899,919.80	\$ 3,012,471.95	\$ 3,402,147.25	\$ 2,961,711.75	\$ 3,184,693.95
Phase 5B	\$ 4,255,282.85	\$ 3,175,708.70	\$ 3,017,485.50	\$ 3,488,423.70	\$ 3,230,393.00	\$ 3,449,289.97
Total	\$ 8,169,767.15	\$ 6,075,628.50	\$ 6,029,957.45	\$ 6,890,570.95	\$ 6,192,104.75	\$ 6,633,983.92

BID SUMMARY - AS SUBMITTED (PRINTED ON BID FORM)

	Estimate	Triple B	Hagerty	Heuer	KE Flatwork	Langman
Phase 5A		\$ 2,899,919.80	\$ 3,012,471.95	\$ 3,402,147.25	\$ 2,961,711.75	\$ 3,184,693.95
Phase 5B		\$ 3,174,458.70	\$ 3,017,485.50	\$ 3,488,423.70	\$ 3,230,393.00	\$ 3,449,289.97
Total		\$ 6,074,378.50	\$ 6,029,957.45	\$ 6,890,570.95	\$ 6,192,104.75	\$ 6,633,983.92

LOW BID ORDER BY PHASE

	Triple B	Hagerty	Heuer	KE Flatwork	Langman
Phase 5A	1	3	5	2	4
Phase 5B	2	1	5	3	4
Overall Low Bid Order	2	1	5	3	4

CITY RESPONSIBILITY

	Estimate	Triple B	Hagerty	Heuer	KE Flatwork	Langman
Phase 5A	\$ 3,759,219.30	\$ 2,768,057.80	\$ 2,845,219.45	\$ 3,210,160.75	\$ 2,821,361.75	\$ 3,048,988.95
Phase 5B	\$ 4,255,282.85	\$ 3,175,708.70	\$ 3,017,485.50	\$ 3,488,423.70	\$ 3,230,393.00	\$ 3,449,289.97
Total	\$ 8,014,502.15	\$ 5,943,766.50	\$ 5,862,704.95	\$ 6,698,584.45	\$ 6,051,754.75	\$ 6,498,278.92

MPW RESPONSIBILITY

	Estimate	Triple B	Hagerty	Heuer	KE Flatwork	Langman
Phase 5A	\$ 155,265.00	\$ 131,862.00	\$ 167,252.50	\$ 191,986.50	\$ 140,350.00	\$ 135,705.00
Phase 5B	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 155,265.00	\$ 131,862.00	\$ 167,252.50	\$ 191,986.50	\$ 140,350.00	\$ 135,705.00

TOTAL	\$ 8,169,767.15	\$ 6,075,628.50	\$ 6,029,957.45	\$ 6,890,570.95	\$ 6,192,104.75	\$ 6,633,983.92
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Note 1 Triple B Bid had a math error on bid item 52. Error does not change overall bid order.
They utilized the wrong quantity to calculate an extended price.

Note 2 Heuer did not use Addendum 1 Rev 1 of the unit price schedule which included a revision to
Bid Item 89 Residential Seeding (Type 1)



STANLEYCONSULTANTS, Inc

Stanley Building > 225 Iowa Avenue > Muscatine, IA 52761
563.264.6600 > stanleyconsultants.com

March 12, 2021

Mr. Brian Stineman.
Public Works Director
1459 Washington Street
Muscatine, IA 52761

Dear Brian:

Subject: Letter of Recommendation
West Hill Area Sanitary and Storm Sewer Separation – Phase 5
Muscatine, Iowa

This letter provides you with our report on the results of the bid opening, which was held in the Muscatine Council Chambers, at 2:00 p.m., on March 09, 2021, and offers our recommendation for award of contract.

Enclosed is a copy of Bid Tabulation Sheet No. 17660.50.00. Five (5) bids were received. The total Phase 5 bid ranged from a low total extended price of \$6,029,957.45 to a high of \$6,890,570.95. The low bid was submitted by Hagerty Earthworks, LLC, Iowa.

All bids were responsive to the bid documents. An arithmetic check of all unit and extended prices were made and several errors were found. The arithmetic errors did not change the low bid order of the bidders. Also enclosed please find a summary of the bids detailing the breakdown on a sub-phase basis including the cost responsibility split between the City and Muscatine Power and Water (MP&W).

All bidders submitted the proper bid security, Iowa Bidder Status Form, acknowledged receipt and understanding of Addenda No. 1 and are considered qualified Sanitary and Storm Sewer Contractors. The combined Engineer's total estimated cost for the project as bid was \$8,169,767.15. MP&W estimated responsibility was \$155,265.00 which includes Climer Street water main and MP&W's responsibility for final backfill material quantity and ravine fill site grading and compaction quantity. City of Muscatine's estimated responsibility was \$8,014,502.15.

In agreement with the City, we recommend award of this contract to Hagerty Earthworks, Muscatine, Iowa in the total amount of \$6,029,957.45. MP&W has reviewed the bid summaries and agrees with the City to award to Hagerty Earthworks. Based on Hagerty's bid, the City will be responsible for \$5,862,704.95 and MP&W will be responsible for \$167,252.50. Other MP&W cost responsibility items may be identified and documented in writing between the City and MP&W.

We will retain all bids until after City Council approval at which time all bids will be given to the City and bid bonds will be returned to the bidders.



Mr. Brian Stineman
March 12, 2021

If you have any questions, please feel free to call.

Sincerely,

Stanley Consultants, Inc.

Karmen K. Heim, P.E.
Project Engineer

Enclosures: Bid Tabulation Sheet – 17660.50.00
Bid Summary – dated 03-10-2021
Phase 5A Bid Evaluation Summary - dated 03-10-2021
Phase 5B Bid Evaluation Summary – dated 03-10-2021
Bid Opening Attendee List

cc: Pat Lynch; City of Muscatine
Project Files/17660.50.00



BID TABULATION SHEET

West Hill Area Sanitary and Storm Sewer Separation – Phase 5, Muscatine, Iowa - Official

BID NUMBER	Bidder 1	Bidder 2	Bidder 3	Bidder 4	Bidder 5
NAME OF BIDDER	Triple B Construction Corporation, Wilton, IA	Hagerty Earthworks, LLC, Muscatine, IA	Heuer Construction, Inc., Muscatine, IA	KE Flatwork, Inc. Eldridge, IA	Langman Construction, Inc. Rock Island, IL Peosta, IA
BID SECURITY (5% in Separate Sealed Envelope)	X	X	X	X	X
ADDENDA (#1)	X	X	X	X	X
Exceptions and Clarifications (If any, Separate Envelope)	none	none	none	none	none
Iowa Bidder Status Form	Yes	Yes	Yes (page 2 worksheet incomplete)	Yes	Yes
Contractor License No (On Bid Form)	C138930	C131506	C095445	C089724	C103100
Printed Bid Total = 5A + 5B	\$6,074,378.50	\$6,029,957.45	\$6,890,570.95	\$6,192,104.75	\$6,633,983.92
Calculated/Checked Bid Total = 5A + 5B	\$6,075,628.50	\$6,029,957.45	\$6,890,570.95	\$6,192,104.75	\$6,633,983.92

Remarks:	TABULATED	K Heim	DATE	03-09-2021	NO. 17660.50.00
	CHECKED	K Heim	DATE	03-11-2021	
I hereby certify that this is a true and correct tabulation of the bids received at City Hall On 03-09-2021 by City & KHeim					



PHASE 5 – BID OPENING - MEETING ATTENDEES

Date: March 09, 2021 – Bid Opening **Project No.:** 17660.50.00

Project Title: West Hill Area Sanitary and Storm Sewer Separation, Phase 5

Meeting Place: City Hall / Virtual, Muscatine, Iowa

ATTENDEES:

Name	Organization	E-Mail
Zack Etsel	City of Muscatine	zetzel@muscatineiowa.gov
Bill Haag	City of Muscatine	bill@koalaconsultingservices.com
Steve Dalbey	City of Muscatine	srdalbey@gmail.com
Chad Brislawn	City of Muscatine	cbrislawn@muscatineiowa.gov
Zach Hoopes	Hahn	zach@hahnrmg.com
Leslie Shalla	County Materials	Leslie.Shalla@countymaterials.com
Grace Jipp	Triple B Construction	accounting@triplebconstructionia.com
Nancy Streu	MP&W	nancy.streu@mpw.org"
Kevin Jenisen	City of Muscatine	kjenison@muscatineiowa.gov
Nancy Lueck	City of Muscatine	nlueck@muscatineiowa.gov
Jay Simon	All American Concrete	Phone: 319-627-2221
John Schafer	Hagerty Earthworks	jschafer.hagertyoffice@gmail.com
Brian Stineman	City of Muscatine, Public Works Director	bstineman@muscatineiowa.gov
Lucas Kluever	KE Flatwork	keflatwork@gmail.com
Pat Lynch	City of Muscatine, City Engineer	plynch@muscatineiowa.gov
Karmen Heim	Stanley Consultants, Project Engineer	heimkarmen@stanleygroup.com
Brooke Thye	IIFFC	bthye@iifffc.org
Troy Stimpson	Brandt Construction	tstimpson@brandtconstructionco.com

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West Hill Area Sanitary and Storm Sewer Separation, Muscatine, Iowa - Phase 5

MILESTONE 1 PHASE 5A				Bidder #1 Triple B		Bidder #2 Hagerty		Bidder #3 Heuer		Bidder #4 Ke Flatwork		Bidder #5 Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
1	TREE REMOVAL	23	EA	\$ 500.00	\$ 11,500.00	\$ 400.00	\$ 9,200.00	\$ 300.00	\$ 6,900.00	\$ 750.00	\$ 17,250.00	\$ 225.00	\$ 5,175.00
2	CLEARING AND GRUBBING	0	LS	\$ 1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	TREE GRINDING	750	CY	\$ 7.00	\$ 5,250.00	\$ 12.00	\$ 9,000.00	\$ 40.00	\$ 30,000.00	\$ 8.00	\$ 6,000.00	\$ 10.00	\$ 7,500.00
4	STUMP GRINDING	150	CY	\$ 12.00	\$ 1,800.00	\$ 12.00	\$ 1,800.00	\$ 60.00	\$ 9,000.00	\$ 15.00	\$ 2,250.00	\$ 10.00	\$ 1,500.00
5	TOPSOIL OFF-SITE	399	CY	\$ 50.00	\$ 19,950.00	\$ 7.00	\$ 2,793.00	\$ 20.00	\$ 7,980.00	\$ 10.00	\$ 3,990.00	\$ 30.00	\$ 11,970.00
6	TOP SOIL OFF-SITE, OWNER PROVIDED	399	CY	\$ 40.00	\$ 15,960.00	\$ 5.00	\$ 1,995.00	\$ 5.00	\$ 1,995.00	\$ 5.00	\$ 1,995.00	\$ 20.00	\$ 7,980.00
7	CLASS 10 EXCAVATION	2640	CY	\$ 8.00	\$ 21,120.00	\$ 8.75	\$ 23,100.00	\$ 8.75	\$ 23,100.00	\$ 13.00	\$ 34,320.00	\$ 10.00	\$ 26,400.00
8	CLASS 13 EXCAVATION - RR TIE REMOVAL AND DISPOSAL	60	TONS	\$ 80.00	\$ 4,800.00	\$ 10.00	\$ 600.00	\$ 100.00	\$ 6,000.00	\$ 80.00	\$ 4,800.00	\$ 55.00	\$ 3,300.00
9	RAVINE FILL SITE - GRADING AND COMPACTION	10990	CY	\$ 2.00	\$ 21,980.00	\$ 2.00	\$ 21,980.00	\$ 3.00	\$ 32,970.00	\$ 4.00	\$ 43,960.00	\$ 1.50	\$ 16,485.00
10	RAVINE FILL SITE - CRUSH STONE	180	TON	\$ 23.00	\$ 4,140.00	\$ 18.50	\$ 3,330.00	\$ 17.50	\$ 3,150.00	\$ 15.00	\$ 2,700.00	\$ 21.00	\$ 3,780.00
11	MODIFIED SUBBASE - 6" (UNDER ROADWAY PAVEMENT) (CRUSHED LIMESTONE)	0	SY	\$ 10.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	MODIFIED SUBBASE - 6" (UNDER ROADWAY PAVEMENT) (CRUSHED CONCRETE)	15854	SY	\$ 5.75	\$ 91,160.50	\$ 3.25	\$ 51,525.50	\$ 3.25	\$ 51,525.50	\$ 3.00	\$ 47,562.00	\$ 3.50	\$ 55,489.00
13	SPECIAL BACKFILL - CITY PROVIDED MATERIAL - 6" (UNDER DRIVEWAY/ALLEY)	1513	SY	\$ 6.00	\$ 9,078.00	\$ 3.25	\$ 4,917.25	\$ 3.25	\$ 4,917.25	\$ 4.00	\$ 6,052.00	\$ 3.50	\$ 5,295.50
14	SPECIAL BACKFILL - CITY PROVIDED MATERIAL - 4" (UNDER SIDEWALKS)	837	SY	\$ 5.00	\$ 4,185.00	\$ 3.25	\$ 2,720.25	\$ 3.25	\$ 2,720.25	\$ 4.00	\$ 3,348.00	\$ 3.20	\$ 2,678.40
15	TEMPORARY GRANULAR SURFACE	710	TONS	\$ 25.00	\$ 17,750.00	\$ 18.50	\$ 13,135.00	\$ 17.50	\$ 12,425.00	\$ 15.00	\$ 10,650.00	\$ 24.00	\$ 17,040.00
16	SUBGRADE TREATMENT, GEOTEXTILE	1200	SY	\$ 1.50	\$ 1,800.00	\$ 2.00	\$ 2,400.00	\$ 2.00	\$ 2,400.00	\$ 5.00	\$ 6,000.00	\$ 1.40	\$ 1,680.00
17	SUBGRADE STABILIZATION, 12" MODIFIED SUBBASE	1500	SY	\$ 20.00	\$ 30,000.00	\$ 15.00	\$ 22,500.00	\$ 15.00	\$ 22,500.00	\$ 8.00	\$ 12,000.00	\$ 15.00	\$ 22,500.00
18	TRENCH FOUNDATION	115	CY	\$ 40.00	\$ 4,600.00	\$ 31.55	\$ 3,628.25	\$ 40.00	\$ 4,600.00	\$ 37.00	\$ 4,255.00	\$ 37.00	\$ 4,255.00
19	SHEETING LEFT IN PLACE (SHEET D.17)	0	SF	\$ 100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20	SHEETING LEFT IN PLACE	75	SF	\$ 50.00	\$ 3,750.00	\$ 15.00	\$ 1,125.00	\$ 20.00	\$ 1,500.00	\$ 5.00	\$ 375.00	\$ 20.00	\$ 1,500.00
21	FINAL TRENCH BACKFILL - MANSAND	10990	CY	\$ 24.00	\$ 263,760.00	\$ 25.75	\$ 282,992.50	\$ 27.45	\$ 301,675.50	\$ 32.00	\$ 351,680.00	\$ 25.00	\$ 274,750.00
22	EXPLORATORY TRENCH AND TEST DIGS	160	LF	\$ 50.00	\$ 8,000.00	\$ 16.00	\$ 2,560.00	\$ 60.00	\$ 9,600.00	\$ 20.00	\$ 3,200.00	\$ 27.00	\$ 4,320.00
23	SANITARY SEWER, 4" OR 6" PVC (ASTM D3034)	136	LF	\$ 50.00	\$ 6,800.00	\$ 200.00	\$ 27,200.00	\$ 50.00	\$ 6,800.00	\$ 77.00	\$ 10,472.00	\$ 70.00	\$ 9,520.00
24	SANITARY SEWER, 8" COMPOSITE TRUSS PIPE, DEPTH < 14'	3533	LF	\$ 77.00	\$ 272,041.00	\$ 85.00	\$ 300,305.00	\$ 84.00	\$ 296,772.00	\$ 79.00	\$ 279,107.00	\$ 80.00	\$ 282,640.00
25	SANITARY SEWER, 8" COMPOSITE TRUSS PIPE, DEPTH >14'	860	LF	\$ 105.00	\$ 90,300.00	\$ 95.00	\$ 81,700.00	\$ 135.00	\$ 116,100.00	\$ 125.00	\$ 107,500.00	\$ 95.00	\$ 81,700.00
26	SANITARY SEWER, 10" COMPOSITE TRUSS PIPE	0	LF	\$ 110.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27	SANITARY SEWER, 12" COMPOSITE TRUSS PIPE	17	LF	\$ 150.00	\$ 2,550.00	\$ 103.00	\$ 1,751.00	\$ 110.00	\$ 1,870.00	\$ 200.00	\$ 3,400.00	\$ 115.00	\$ 1,955.00
28	SANITARY SEWER, TRENCHLESS CONSTRUCTION UNDER LWBS	0	LF	\$ 500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29	SANITARY SERVICE CONNECTIONS, (4" AND 6")	80	EA	\$ 850.00	\$ 68,000.00	\$ 800.00	\$ 64,000.00	\$ 1,400.00	\$ 112,000.00	\$ 800.00	\$ 64,000.00	\$ 500.00	\$ 40,000.00
30	SANITARY SEWER CLEANOUT	5	EA	\$ 500.00	\$ 2,500.00	\$ 800.00	\$ 4,000.00	\$ 850.00	\$ 4,250.00	\$ 700.00	\$ 3,500.00	\$ 600.00	\$ 3,000.00

MILESTONE 1				Bidder #1		Bidder #2		Bidder #3		Bidder #4		Bidder #5	
PHASE 5A				Triple B		Hagerty		Heuer		Ke Flatwork		Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
31	SEWER, DIP, WATER MAIN MATERIAL, FOR CONFLICTS, 8"	15	LF	\$ 130.00	\$ 1,950.00	\$ 93.00	\$ 1,395.00	\$ 50.00	\$ 750.00	\$ 25.00	\$ 375.00	\$ 142.00	\$ 2,130.00
32	SEWER, DIP, WATER MAIN MATERIAL, FOR CONFLICTS, 10"	15	LF	\$ 145.00	\$ 2,175.00	\$ 101.00	\$ 1,515.00	\$ 60.00	\$ 900.00	\$ 30.00	\$ 450.00	\$ 155.00	\$ 2,325.00
33	SEWER, DIP, WATER MAIN MATERIAL, FOR CONFLICTS, 12"	15	LF	\$ 170.00	\$ 2,550.00	\$ 109.00	\$ 1,635.00	\$ 70.00	\$ 1,050.00	\$ 35.00	\$ 525.00	\$ 170.00	\$ 2,550.00
34	SEWER, PVC, WATER MAIN MATERIAL, FOR CONFLICTS, 8" DEPTH 8.1' - 14'	15	LF	\$ 100.00	\$ 1,500.00	\$ 89.00	\$ 1,335.00	\$ 100.00	\$ 1,500.00	\$ 15.00	\$ 225.00	\$ 116.00	\$ 1,740.00
35	SEWER, PVC, WATER MAIN MATERIAL, FOR CONFLICTS, 12" DEPTH 8.1' - 14'	15	LF	\$ 125.00	\$ 1,875.00	\$ 100.00	\$ 1,500.00	\$ 120.00	\$ 1,800.00	\$ 20.00	\$ 300.00	\$ 137.00	\$ 2,055.00
36	SEWER, PVC, WATER MAIN MATERIAL, FOR CONFLICTS, 16" DEPTH 8.1' - 14'	15	LF	\$ 150.00	\$ 2,250.00	\$ 114.00	\$ 1,710.00	\$ 150.00	\$ 2,250.00	\$ 25.00	\$ 375.00	\$ 164.00	\$ 2,460.00
37	STORM SEWER MAINLINE PIPE, 12", CLASS IV RCP	0	LF	\$ 50.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38	STORM SEWER MAINLINE PIPE, 15", CLASS IV RCP	83	LF	\$ 53.00	\$ 4,399.00	\$ 80.50	\$ 6,681.50	\$ 80.00	\$ 6,640.00	\$ 65.00	\$ 5,395.00	\$ 106.00	\$ 8,798.00
39	STORM SEWER MAINLINE PIPE, 24", CLASS IV RCP	293	LF	\$ 57.00	\$ 16,701.00	\$ 96.00	\$ 28,128.00	\$ 108.00	\$ 31,644.00	\$ 75.00	\$ 21,975.00	\$ 125.00	\$ 36,625.00
40	STORM SEWER INLET PIPING, 12" PVC (ASTM F949)	124	LF	\$ 55.00	\$ 6,820.00	\$ 67.50	\$ 8,370.00	\$ 65.00	\$ 8,060.00	\$ 55.00	\$ 6,820.00	\$ 95.00	\$ 11,780.00
41	STORM SEWER INLET PIPING, 15" PVC (ASTM F949)	75	LF	\$ 62.00	\$ 4,650.00	\$ 72.50	\$ 5,437.50	\$ 78.00	\$ 5,850.00	\$ 57.50	\$ 4,312.50	\$ 103.00	\$ 7,725.00
42	STORM SEWER INLET PIPING, 12" CLASS IV RCP	228	LF	\$ 55.00	\$ 12,540.00	\$ 68.50	\$ 15,618.00	\$ 79.00	\$ 18,012.00	\$ 60.00	\$ 13,680.00	\$ 101.00	\$ 23,028.00
43	STORM SEWER INLET PIPING, 15" CLASS IV RCP	31	LF	\$ 60.00	\$ 1,860.00	\$ 70.50	\$ 2,185.50	\$ 80.00	\$ 2,480.00	\$ 65.00	\$ 2,015.00	\$ 106.00	\$ 3,286.00
44	SUBDRAINS, HDPE, 4"	8248	LF	\$ 10.00	\$ 82,480.00	\$ 12.00	\$ 98,976.00	\$ 12.00	\$ 98,976.00	\$ 7.00	\$ 57,736.00	\$ 11.00	\$ 90,728.00
45	SUBDRAIN CONNECTIONS TO STRUCTURE	20	EA	\$ 300.00	\$ 6,000.00	\$ 10.00	\$ 200.00	\$ 175.00	\$ 3,500.00	\$ 150.00	\$ 3,000.00	\$ 50.00	\$ 1,000.00
46	INTERNAL TELEVISION INSPECTION (ALL SEWER)	5244	LF	\$ 2.00	\$ 10,488.00	\$ 1.10	\$ 5,768.40	\$ 1.50	\$ 7,866.00	\$ 1.50	\$ 7,866.00	\$ 2.30	\$ 12,061.20
47	WATER SERVICE PIPE	300	LF	\$ 60.00	\$ 18,000.00	\$ 100.00	\$ 30,000.00	\$ 29.00	\$ 8,700.00	\$ 20.00	\$ 6,000.00	\$ 23.00	\$ 6,900.00
48	WATER SERVICE EXPLORATION	15	LF	\$ 50.00	\$ 750.00	\$ 20.00	\$ 300.00	\$ 80.00	\$ 1,200.00	\$ 50.00	\$ 750.00	\$ 29.00	\$ 435.00
49	WATER MAIN RELOCATION, 1" OR 2" COPPER	15	LF	\$ 100.00	\$ 1,500.00	\$ 30.00	\$ 450.00	\$ 125.00	\$ 1,875.00	\$ 20.00	\$ 300.00	\$ 32.00	\$ 480.00
50	WATER MAIN RELOCATION, 6" DIP	10	LF	\$ 225.00	\$ 2,250.00	\$ 60.00	\$ 600.00	\$ 250.00	\$ 2,500.00	\$ 70.00	\$ 700.00	\$ 200.00	\$ 2,000.00
51	WATER MAIN RELOCATION, 10" DIP	15	LF	\$ 250.00	\$ 3,750.00	\$ 80.00	\$ 1,200.00	\$ 150.00	\$ 2,250.00	\$ 90.00	\$ 1,350.00	\$ 220.00	\$ 3,300.00
52	WATER MAIN RELOCATION, 12" DIP	0	LF	\$ 300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53	WATER MAIN RELOCATION, 16" DIP	0	LF	\$ 400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54	SANITARY MANHOLE, STANDARD, 5' DIAMETER (8' DEEP)	24	EA	\$ 5,600.00	\$ 134,400.00	\$ 4,800.00	\$ 115,200.00	\$ 6,500.00	\$ 156,000.00	\$ 5,750.00	\$ 138,000.00	\$ 5,300.00	\$ 127,200.00
55	SANITARY MANHOLE, EXTRA DEPTH, 5' DIAMETER	87	LF	\$ 400.00	\$ 34,800.00	\$ 400.00	\$ 34,800.00	\$ 400.00	\$ 34,800.00	\$ 450.00	\$ 39,150.00	\$ 270.00	\$ 23,490.00
56	SANITARY MANHOLE, FLAT TOP, 5' DIAMETER	0	EA	\$ 6,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57	STORM MANHOLE, ECCENTRIC, 5' DIAMETER (UP TO 8' DEEP)	3	EA	\$ 5,000.00	\$ 15,000.00	\$ 4,321.00	\$ 12,963.00	\$ 6,500.00	\$ 19,500.00	\$ 5,000.00	\$ 15,000.00	\$ 4,750.00	\$ 14,250.00

MILESTONE 1				Bidder #1		Bidder #2		Bidder #3		Bidder #4		Bidder #5	
PHASE 5A				Triple B		Hagerly		Heuer		Ke Flatwork		Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
58	STORM MANHOLE, EXTRA DEPTH	15	LF	\$ 300.00	\$ 4,500.00	\$ 400.00	\$ 6,000.00	\$ 400.00	\$ 6,000.00	\$ 450.00	\$ 6,750.00	\$ 270.00	\$ 4,050.00
59	STORM MANHOLE, FLAT TOP, SW-401, 5' DIAMETER	11	EA	\$ 5,100.00	\$ 56,100.00	\$ 4,300.00	\$ 47,300.00	\$ 5,800.00	\$ 63,800.00	\$ 5,000.00	\$ 55,000.00	\$ 5,150.00	\$ 56,650.00
60	STORM MANHOLE, FLAT TOP, SW-401, 4' DIAMETER	0	EA	\$ 4,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61	STORM INLET, SW-501	3	EA	\$ 2,400.00	\$ 7,200.00	\$ 2,500.00	\$ 7,500.00	\$ 3,500.00	\$ 10,500.00	\$ 3,100.00	\$ 9,300.00	\$ 3,100.00	\$ 9,300.00
62	STORM INLET, SW-502	6	EA	\$ 3,100.00	\$ 18,600.00	\$ 2,850.00	\$ 17,100.00	\$ 4,000.00	\$ 24,000.00	\$ 3,100.00	\$ 18,600.00	\$ 3,600.00	\$ 21,600.00
63	STORM INLET, SW-507	7	EA	\$ 3,600.00	\$ 25,200.00	\$ 2,850.00	\$ 19,950.00	\$ 4,800.00	\$ 33,600.00	\$ 3,500.00	\$ 24,500.00	\$ 3,750.00	\$ 26,250.00
64	STORM INLET, SW-513	0	EA	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65	SANITARY INTERNAL DROP CONNECTION	8	EA	\$ 1,100.00	\$ 8,800.00	\$ 1,050.00	\$ 8,400.00	\$ 1,400.00	\$ 11,200.00	\$ 1,500.00	\$ 12,000.00	\$ 1,000.00	\$ 8,000.00
66	SANITARY EXTERNAL DROP CONNECTION	0	EA	\$ 2,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67	MANHOLE OR INTAKE ADJUSTMENT, MAJOR	7	EA	\$ 3,150.00	\$ 22,050.00	\$ 2,000.00	\$ 14,000.00	\$ 1,500.00	\$ 10,500.00	\$ 1,250.00	\$ 8,750.00	\$ 1,000.00	\$ 7,000.00
68	CONNECTIONS TO EXISTING MANHOLES	1	EA	\$ 1,000.00	\$ 1,000.00	\$ 750.00	\$ 750.00	\$ 1,400.00	\$ 1,400.00	\$ 1,250.00	\$ 1,250.00	\$ 1,000.00	\$ 1,000.00
69	CONNECTION TO EXISTING MANHOLE 8284	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 1,200.00	\$ 1,200.00	\$ 2,000.00	\$ 2,000.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
70	REMOVAL OF EXISTING STRUCTURES	3	EA	\$ 750.00	\$ 2,250.00	\$ 500.00	\$ 1,500.00	\$ 500.00	\$ 1,500.00	\$ 250.00	\$ 750.00	\$ 700.00	\$ 2,100.00
71	PAVEMENT, PCC, 8 INCH	7172	SY	\$ 52.50	\$ 376,530.00	\$ 52.00	\$ 372,944.00	\$ 52.00	\$ 372,944.00	\$ 55.00	\$ 394,460.00	\$ 46.00	\$ 329,912.00
72	PAVEMENT, PCC, 7 INCH	7834	SY	\$ 46.50	\$ 364,281.00	\$ 46.00	\$ 360,364.00	\$ 46.00	\$ 360,364.00	\$ 47.00	\$ 368,198.00	\$ 44.00	\$ 344,696.00
73	PCC PAVEMENT SAMPLES AND TESTING	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00	\$ 1,000.00	\$ 1,000.00
74	HMA PAVEMENT	0	TON	\$ 180.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75	REMOVAL, DRIVEWAY/ALLEY PAVEMENT	1446	SY	\$ 6.00	\$ 8,676.00	\$ 7.00	\$ 10,122.00	\$ 7.00	\$ 10,122.00	\$ 10.00	\$ 14,460.00	\$ 10.00	\$ 14,460.00
76	REMOVAL, SIDEWALK	721	SY	\$ 6.00	\$ 4,326.00	\$ 7.00	\$ 5,047.00	\$ 7.00	\$ 5,047.00	\$ 10.00	\$ 7,210.00	\$ 10.00	\$ 7,210.00
77	REMOVAL, LIMESTONE CURB	10	LF	\$ 40.00	\$ 400.00	\$ 5.00	\$ 50.00	\$ 10.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 30.00	\$ 300.00
78	SIDEWALK, PAVED, PCC, 4-INCH	809	SY	\$ 47.00	\$ 38,023.00	\$ 45.00	\$ 36,405.00	\$ 45.00	\$ 36,405.00	\$ 48.00	\$ 38,832.00	\$ 64.00	\$ 51,776.00
79	SIDEWALK, PAVED, PCC, 6-INCH	28	SY	\$ 62.00	\$ 1,736.00	\$ 70.00	\$ 1,960.00	\$ 70.00	\$ 1,960.00	\$ 90.00	\$ 2,520.00	\$ 135.00	\$ 3,780.00
80	DETECTABLE WARNING TILES	248	SF	\$ 31.00	\$ 7,688.00	\$ 30.00	\$ 7,440.00	\$ 30.00	\$ 7,440.00	\$ 30.00	\$ 7,440.00	\$ 50.00	\$ 12,400.00
81	DRIVEWAY/ALLEY PAVED, PCC, 6-INCH	1513	SY	\$ 55.00	\$ 83,215.00	\$ 55.00	\$ 83,215.00	\$ 55.00	\$ 83,215.00	\$ 60.00	\$ 90,780.00	\$ 63.00	\$ 95,319.00
82	PAVEMENT REMOVAL, MILLING	0.00	SY	\$ 5.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83	PAVEMENT REMOVAL, CONCRETE	15417	SY	\$ 6.00	\$ 92,502.00	\$ 8.00	\$ 123,336.00	\$ 6.00	\$ 92,502.00	\$ 4.00	\$ 61,668.00	\$ 10.00	\$ 154,170.00
84	SUBBASE MATERIAL REMOVAL AFTER MILLING	0	SY	\$ 5.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85	PAINTED PAVEMENT MARKINGS, DURABLE	48	STA	\$ 220.00	\$ 10,560.00	\$ 210.00	\$ 10,080.00	\$ 210.00	\$ 10,080.00	\$ 50.00	\$ 2,400.00	\$ 210.00	\$ 10,080.00
86	PAINTED SYMBOLS AND LEGENDS, DURABLE	4	EA	\$ 155.00	\$ 620.00	\$ 150.00	\$ 600.00	\$ 150.00	\$ 600.00	\$ 150.00	\$ 600.00	\$ 150.00	\$ 600.00
87	TRAFFIC CONTROL	1	LS	\$ 13,000.00	\$ 13,000.00	\$ 10,000.00	\$ 10,000.00	\$ 12,500.00	\$ 12,500.00	\$ 11,000.00	\$ 11,000.00	\$ 12,500.00	\$ 12,500.00
88	SPECIAL SIGNAGE	18	SF	\$ 25.00	\$ 450.00	\$ 25.00	\$ 450.00	\$ 30.00	\$ 540.00	\$ 125.00	\$ 2,250.00	\$ 25.00	\$ 450.00
89	RESIDENTIAL HYDRAULIC SEEDING, FERTILIZING, MULCHING (TYPE 1)	43273	SF	\$ 0.10	\$ 4,327.30	\$ 0.10	\$ 4,327.30	\$ 0.128689	\$ 5,568.75	\$ 0.25	\$ 10,818.25	\$ 0.08	\$ 3,461.84
90	RAVINE FILL SITE PERMANENT HYDRAULIC SEEDING, FERTILIZING, MULCHING (TYPE 2)	3.00	ACRE	\$ 3,000.00	\$ 9,000.00	\$ 3,450.00	\$ 10,350.00	\$ 3,450.00	\$ 10,350.00	\$ 1,000.00	\$ 3,000.00	\$ 2,950.00	\$ 8,850.00

[illegible]

MILESTONE 1				Bidder #1		Bidder #2		Bidder #3		Bidder #4		Bidder #5	
PHASE 5A				Triple B		Hagerty		Heuer		Ke Flatwork		Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
201	WATER MAIN, TRENCHED, C-900 PVC, 6"	1173	LF	\$ 39.00	\$ 45,747.00	\$ 66.00	\$ 77,418.00	\$ 72.00	\$ 84,456.00	\$ 45.00	\$ 52,785.00	\$ 49.00	\$ 57,477.00
202	FITTINGS, BY COUNT, 22.5 DEGREE ELBOW, 6"	1	EA	\$ 350.00	\$ 350.00	\$ 355.00	\$ 355.00	\$ 500.00	\$ 500.00	\$ 350.00	\$ 350.00	\$ 143.00	\$ 143.00
203	FITTINGS, BY COUNT, 45 DEGREE ELBOW, 6"	5	EA	\$ 400.00	\$ 2,000.00	\$ 360.00	\$ 1,800.00	\$ 500.00	\$ 2,500.00	\$ 350.00	\$ 1,750.00	\$ 148.00	\$ 740.00
204	FITTINGS, BY COUNT, 90 DEGREE ELBOW, 6"	1	EA	\$ 425.00	\$ 425.00	\$ 282.00	\$ 282.00	\$ 1,000.00	\$ 1,000.00	\$ 375.00	\$ 375.00	\$ 160.00	\$ 160.00
205	FITTINGS, BY COUNT, CUT AND CAP, 2"	2	EA	\$ 500.00	\$ 1,000.00	\$ 210.00	\$ 420.00	\$ 850.00	\$ 1,700.00	\$ 300.00	\$ 600.00	\$ 500.00	\$ 1,000.00
206	WATER SERVICE CONNECTION, COPPER, 1"	20	EA	\$ 950.00	\$ 19,000.00	\$ 1,175.00	\$ 23,500.00	\$ 1,500.00	\$ 30,000.00	\$ 750.00	\$ 15,000.00	\$ 900.00	\$ 18,000.00
207	WATER SERVICE CONNECTION INTO THE HOME, COPPER, 1"	1	EA	\$ 3,500.00	\$ 3,500.00	\$ 2,900.00	\$ 2,900.00	\$ 2,500.00	\$ 2,500.00	\$ 2,250.00	\$ 2,250.00	\$ 3,000.00	\$ 3,000.00
208	VALVE, GATE VALVE, MECHANICAL JOINT, 6"	3	EA	\$ 1,100.00	\$ 3,300.00	\$ 960.00	\$ 2,880.00	\$ 1,200.00	\$ 3,600.00	\$ 950.00	\$ 2,850.00	\$ 700.00	\$ 2,100.00
209	TAPPING VALVE ASSEMBLY, 12"X6"	1	EA	\$ 3,500.00	\$ 3,500.00	\$ 2,800.00	\$ 2,800.00	\$ 5,500.00	\$ 5,500.00	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00
210	TAPPING VALVE ASSEMBLY, 10"X6"	1	EA	\$ 3,500.00	\$ 3,500.00	\$ 2,700.00	\$ 2,700.00	\$ 5,000.00	\$ 5,000.00	\$ 3,000.00	\$ 3,000.00	\$ 2,400.00	\$ 2,400.00
211	FIRE HYDRANT ASSEMBLY	3	EA	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 15,000.00	\$ 4,750.00	\$ 14,250.00	\$ 3,650.00	\$ 10,950.00	\$ 4,300.00	\$ 12,900.00
212	REMOVAL, FIRE HYDRANT	1	EA	\$ 500.00	\$ 500.00	\$ 750.00	\$ 750.00	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00	\$ 600.00	\$ 600.00
213	REMOVAL, VALVE, CORPORATION STOP	1	EA	\$ 500.00	\$ 500.00	\$ 650.00	\$ 650.00	\$ 700.00	\$ 700.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
TOTAL OF ALL PHASE 5A BID ITEMS				\$ 2,899,919.80		\$ 3,012,471.95		\$ 3,402,147.25		\$ 2,961,711.75		\$ 3,184,693.95	

Split of Bid Items 9

City of Muscatine	9700	CY	\$ 2.00	\$ 19,400	\$ 2.00	\$ 19,400	\$ 3.00	\$ 29,100	\$ 4.00	\$ 38,800	\$ 1.50	\$ 14,550
Muscatine Power and Power	1290	CY	\$ 2.00	\$ 2,580	\$ 2.00	\$ 2,580	\$ 3.00	\$ 3,870	\$ 4.00	\$ 5,160	\$ 1.50	\$ 1,935

Split of Bid Items 21

City of Muscatine	9700	CY	\$ 24.00	\$ 232,800	\$ 25.75	\$ 249,775	\$ 27.45	\$ 266,265	\$ 32.00	\$ 310,400	\$ 25.00	\$ 242,500
Muscatine Power and Power	1290	CY	\$ 24.00	\$ 30,960	\$ 25.75	\$ 33,218	\$ 27.45	\$ 35,411	\$ 32.00	\$ 41,280	\$ 25.00	\$ 32,250

Cost Responsibility

City of Muscatine (1-109 minus MPW Split)				\$ 2,768,057.80	\$ 2,845,219.45	\$ 3,210,160.75	\$ 2,821,361.75	\$ 3,048,988.95
Muscatine Power and Water (MPW Split - Bid Item 9 & 21)				\$ 33,540.00	\$ 35,797.50	\$ 39,280.50	\$ 46,440.00	\$ 34,185.00
Muscatine Power and Water (201-213)				\$ 98,322.00	\$ 131,455.00	\$ 152,706.00	\$ 93,910.00	\$ 101,520.00
Total Contract Price				\$ 2,899,919.80	\$ 3,012,471.95	\$ 3,402,147.25	\$ 2,961,711.75	\$ 3,184,693.95
Total MPW (MPW Split Items 9 & 21 plus 201-213)				\$ 131,862.00	\$ 167,252.50	\$ 191,986.50	\$ 140,350.00	\$ 135,705.00

Phase 5A Total Engineering Estimate (Sewer, Paving, Water)

\$ 3,914,484.30

West Hill Area Sanitary and Storm Sewer Separation, Muscatine, Iowa - Phase 5 - B

MILESTONE 2				Bidder #1		Bidder #2		Bidder #3		Bidder #4		Bidder #5	
PHASE 5B				Triple B		Hagerty		Heuer		KE Flatwork		Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
1	TREE REMOVAL	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 400.00	\$ 800.00	\$ 500.00	\$ 1,000.00	\$ 1,500.00	\$ 3,000.00	\$ 225.00	\$ 450.00
2	CLEARING AND GRUBBING	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 15,000.00	\$ 15,000.00	\$ 10,500.00	\$ 10,500.00	\$ 10,000.00	\$ 10,000.00	\$ 17,000.00	\$ 17,000.00
3	TREE GRINDING	750	CY	\$ 7.00	\$ 5,250.00	\$ 12.00	\$ 9,000.00	\$ 40.00	\$ 30,000.00	\$ 8.00	\$ 6,000.00	\$ 10.00	\$ 7,500.00
4	STUMP GRINDING	150	CY	\$ 12.00	\$ 1,800.00	\$ 12.00	\$ 1,800.00	\$ 60.00	\$ 9,000.00	\$ 15.00	\$ 2,250.00	\$ 10.00	\$ 1,500.00
5	TOPSOIL OFF-SITE	516	CY	\$ 50.00	\$ 25,800.00	\$ 7.00	\$ 3,612.00	\$ 20.00	\$ 10,320.00	\$ 10.00	\$ 5,160.00	\$ 30.00	\$ 15,480.00
6	TOP SOIL OFF-SITE, OWNER PROVIDED	516	CY	\$ 40.00	\$ 20,640.00	\$ 5.00	\$ 2,580.00	\$ 5.00	\$ 2,580.00	\$ 5.00	\$ 2,580.00	\$ 20.00	\$ 10,320.00
7	CLASS 10 EXCAVATION	2900	CY	\$ 8.00	\$ 23,200.00	\$ 8.75	\$ 25,375.00	\$ 8.75	\$ 25,375.00	\$ 13.00	\$ 37,700.00	\$ 10.00	\$ 29,000.00
8	CLASS 13 EXCAVATION - RR TIE REMOVAL AND DISPOSAL	60	TONS	\$ 80.00	\$ 4,800.00	\$ 10.00	\$ 600.00	\$ 100.00	\$ 6,000.00	\$ 80.00	\$ 4,800.00	\$ 55.00	\$ 3,300.00
9	RAVINE FILL SITE - GRADING AND COMPACTION	8401	CY	\$ 2.00	\$ 16,802.00	\$ 2.00	\$ 16,802.00	\$ 3.00	\$ 25,203.00	\$ 4.00	\$ 33,604.00	\$ 1.50	\$ 12,601.50
10	RAVINE FILL SITE - CRUSH STONE	180	TON	\$ 23.00	\$ 4,140.00	\$ 18.50	\$ 3,330.00	\$ 17.50	\$ 3,150.00	\$ 15.00	\$ 2,700.00	\$ 21.00	\$ 3,780.00
11	MODIFIED SUBBASE - 6" (UNDER ROADWAY PAVEMENT) (CRUSHED LIMESTONE)	17505	SY	\$ 9.50	\$ 166,297.50	\$ 7.40	\$ 129,537.00	\$ 7.40	\$ 129,537.00	\$ 8.00	\$ 140,040.00	\$ 9.00	\$ 157,545.00
12	MODIFIED SUBBASE - 6" (UNDER ROADWAY PAVEMENT) (CRUSHED CONCRETE)	0	SY	\$ 6.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	SPECIAL BACKFILL - CITY PROVIDED MATERIAL - 6" (UNDER DRIVEWAY/ALLEY)	1109	SY	\$ 6.00	\$ 6,654.00	\$ 3.25	\$ 3,604.25	\$ 3.25	\$ 3,604.25	\$ 4.00	\$ 4,436.00	\$ 3.50	\$ 3,881.50
14	SPECIAL BACKFILL - CITY PROVIDED MATERIAL - 4" (UNDER SIDEWALKS)	416	SY	\$ 5.00	\$ 2,080.00	\$ 3.25	\$ 1,352.00	\$ 3.25	\$ 1,352.00	\$ 4.00	\$ 1,664.00	\$ 3.20	\$ 1,331.20
15	TEMPORARY GRANULAR SURFACE	525	TONS	\$ 25.00	\$ 13,125.00	\$ 18.50	\$ 9,712.50	\$ 17.50	\$ 9,187.50	\$ 15.00	\$ 7,875.00	\$ 24.00	\$ 12,600.00
16	SUBGRADE TREATMENT, GEOTEXTILE	900	SY	\$ 1.50	\$ 1,350.00	\$ 2.00	\$ 1,800.00	\$ 2.00	\$ 1,800.00	\$ 5.00	\$ 4,500.00	\$ 1.40	\$ 1,260.00
17	SUBGRADE STABILIZATION, 12" MODIFIED SUBBASE	1500	SY	\$ 20.00	\$ 30,000.00	\$ 15.00	\$ 22,500.00	\$ 15.00	\$ 22,500.00	\$ 8.00	\$ 12,000.00	\$ 15.00	\$ 22,500.00
18	TRENCH FOUNDATION	110	CY	\$ 40.00	\$ 4,400.00	\$ 31.55	\$ 3,470.50	\$ 40.00	\$ 4,400.00	\$ 37.00	\$ 4,070.00	\$ 37.00	\$ 4,070.00
19	SHEETING LEFT IN PLACE (SHEET D.17)	1000	SF	\$ 58.00	\$ 58,000.00	\$ 50.00	\$ 50,000.00	\$ 50.00	\$ 50,000.00	\$ 50.00	\$ 50,000.00	\$ 35.50	\$ 35,500.00
20	SHEETING LEFT IN PLACE	75	SF	\$ 50.00	\$ 3,750.00	\$ 15.00	\$ 1,125.00	\$ 20.00	\$ 1,500.00	\$ 5.00	\$ 375.00	\$ 20.00	\$ 1,500.00
21	FINAL TRENCH BACKFILL - MANSAND	8401	CY	\$ 24.00	\$ 201,624.00	\$ 25.75	\$ 216,325.75	\$ 27.45	\$ 230,607.45	\$ 32.00	\$ 268,832.00	\$ 25.00	\$ 210,025.00
22	EXPLORATORY TRENCH AND TEST DIGS	160	LF	\$ 50.00	\$ 8,000.00	\$ 16.00	\$ 2,560.00	\$ 60.00	\$ 9,600.00	\$ 20.00	\$ 3,200.00	\$ 27.00	\$ 4,320.00
23	SANITARY SEWER, 4" OR 6" PVC (ASTM D3034)	972	LF	\$ 42.00	\$ 40,824.00	\$ 50.00	\$ 48,600.00	\$ 40.00	\$ 38,880.00	\$ 77.00	\$ 74,844.00	\$ 70.00	\$ 68,040.00
24	SANITARY SEWER, 8" COMPOSITE TRUSS PIPE, DEPTH < 14'	4953	LF	\$ 80.00	\$ 396,240.00	\$ 85.00	\$ 421,005.00	\$ 76.00	\$ 376,428.00	\$ 79.00	\$ 391,287.00	\$ 80.00	\$ 396,240.00
25	SANITARY SEWER, 8" COMPOSITE TRUSS PIPE, DEPTH > 14'	562	LF	\$ 105.00	\$ 59,010.00	\$ 95.00	\$ 53,390.00	\$ 131.00	\$ 73,622.00	\$ 125.00	\$ 70,250.00	\$ 95.00	\$ 53,390.00
26	SANITARY SEWER, 10" COMPOSITE TRUSS PIPE	152	LF	\$ 110.00	\$ 16,720.00	\$ 89.00	\$ 13,528.00	\$ 84.00	\$ 12,768.00	\$ 150.00	\$ 22,800.00	\$ 104.00	\$ 15,808.00
27	SANITARY SEWER, 12" COMPOSITE TRUSS PIPE	38	LF	\$ 150.00	\$ 5,700.00	\$ 103.00	\$ 3,914.00	\$ 110.00	\$ 4,180.00	\$ 200.00	\$ 7,600.00	\$ 115.00	\$ 4,370.00
28	SANITARY SEWER, TRENCHLESS CONSTRUCTION UNDER LWBS	14	LF	\$ 250.00	\$ 3,500.00	\$ 200.00	\$ 2,800.00	\$ 750.00	\$ 10,500.00	\$ 1,100.00	\$ 15,400.00	\$ 950.00	\$ 13,300.00
29	SANITARY SERVICE CONNECTIONS, (4" AND 6")	82	EA	\$ 850.00	\$ 69,700.00	\$ 700.00	\$ 57,400.00	\$ 1,400.00	\$ 114,800.00	\$ 800.00	\$ 65,600.00	\$ 500.00	\$ 41,000.00
30	SANITARY SEWER CLEANOUT	2	EA	\$ 500.00	\$ 1,000.00	\$ 1,300.00	\$ 2,600.00	\$ 850.00	\$ 1,700.00	\$ 700.00	\$ 1,400.00	\$ 600.00	\$ 1,200.00

West Hill Area Sanitary and Storm Sewer Separation, Muscatine, Iowa - Phase 5 - B

MILESTONE 2				Bidder #1		Bidder #2		Bidder #3		Bidder #4		Bidder #5	
PHASE 5B				Triple B		Hagerty		Heuer		KE Flatwork		Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
31	SEWER, DIP, WATER MAIN MATERIAL, FOR CONFLICTS, 8"	15	LF	\$ 130.00	\$ 1,950.00	\$ 93.00	\$ 1,395.00	\$ 50.00	\$ 750.00	\$ 25.00	\$ 375.00	\$ 142.00	\$ 2,130.00
32	SEWER, DIP, WATER MAIN MATERIAL, FOR CONFLICTS, 10"	15	LF	\$ 145.00	\$ 2,175.00	\$ 101.00	\$ 1,515.00	\$ 60.00	\$ 900.00	\$ 30.00	\$ 450.00	\$ 155.00	\$ 2,325.00
33	SEWER, DIP, WATER MAIN MATERIAL, FOR CONFLICTS, 12"	15	LF	\$ 170.00	\$ 2,550.00	\$ 109.00	\$ 1,635.00	\$ 70.00	\$ 1,050.00	\$ 35.00	\$ 525.00	\$ 170.00	\$ 2,550.00
34	SEWER, PVC, WATER MAIN MATERIAL, FOR CONFLICTS, 8" DEPTH 8.1' - 14'	15	LF	\$ 100.00	\$ 1,500.00	\$ 89.00	\$ 1,335.00	\$ 100.00	\$ 1,500.00	\$ 15.00	\$ 225.00	\$ 116.00	\$ 1,740.00
35	SEWER, PVC, WATER MAIN MATERIAL, FOR CONFLICTS, 12" DEPTH 8.1' - 14'	15	LF	\$ 125.00	\$ 1,875.00	\$ 100.00	\$ 1,500.00	\$ 120.00	\$ 1,800.00	\$ 20.00	\$ 300.00	\$ 137.00	\$ 2,055.00
36	SEWER, PVC, WATER MAIN MATERIAL, FOR CONFLICTS, 16" DEPTH 8.1' - 14'	15	LF	\$ 150.00	\$ 2,250.00	\$ 114.00	\$ 1,710.00	\$ 150.00	\$ 2,250.00	\$ 25.00	\$ 375.00	\$ 164.00	\$ 2,460.00
37	STORM SEWER MAINLINE PIPE, 12", CLASS IV RCP	87	LF	\$ 52.00	\$ 4,524.00	\$ 78.50	\$ 6,829.50	\$ 70.00	\$ 6,090.00	\$ 55.00	\$ 4,785.00	\$ 103.00	\$ 8,961.00
38	STORM SEWER MAINLINE PIPE, 15", CLASS IV RCP	69	LF	\$ 55.00	\$ 3,795.00	\$ 80.50	\$ 5,554.50	\$ 76.00	\$ 5,244.00	\$ 65.00	\$ 4,485.00	\$ 106.00	\$ 7,314.00
39	STORM SEWER MAINLINE PIPE, 24", CLASS IV RCP	15	LF	\$ 80.00	\$ 1,200.00	\$ 96.00	\$ 1,440.00	\$ 108.00	\$ 1,620.00	\$ 75.00	\$ 1,125.00	\$ 125.00	\$ 1,875.00
40	STORM SEWER INLET PIPING, 12" PVC (ASTM F949)	93	LF	\$ 60.00	\$ 5,580.00	\$ 67.50	\$ 6,277.50	\$ 70.00	\$ 6,510.00	\$ 55.00	\$ 5,115.00	\$ 95.00	\$ 8,835.00
41	STORM SEWER INLET PIPING, 15" PVC (ASTM F949)	0	LF	\$ 65.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42	STORM SEWER INLET PIPING, 12" CLASS IV RCP	306	LF	\$ 55.00	\$ 16,830.00	\$ 68.50	\$ 20,961.00	\$ 70.00	\$ 21,420.00	\$ 60.00	\$ 18,360.00	\$ 101.00	\$ 30,906.00
43	STORM SEWER INLET PIPING, 15" CLASS IV RCP	57	LF	\$ 60.00	\$ 3,420.00	\$ 70.50	\$ 4,018.50	\$ 85.00	\$ 4,845.00	\$ 65.00	\$ 3,705.00	\$ 106.00	\$ 6,042.00
44	SUBDRAINS, HDPE, 4"	7490	LF	\$ 10.00	\$ 74,900.00	\$ 12.00	\$ 89,880.00	\$ 12.00	\$ 89,880.00	\$ 7.00	\$ 52,430.00	\$ 11.00	\$ 82,390.00
45	SUBDRAIN CONNECTIONS TO STRUCTURE	20	EA	\$ 300.00	\$ 6,000.00	\$ 10.00	\$ 200.00	\$ 175.00	\$ 3,500.00	\$ 150.00	\$ 3,000.00	\$ 50.00	\$ 1,000.00
46	INTERNAL TELEVISION INSPECTION (ALL SEWER)	6350	LF	\$ 2.00	\$ 12,700.00	\$ 1.10	\$ 6,985.00	\$ 1.50	\$ 9,525.00	\$ 1.50	\$ 9,525.00	\$ 2.30	\$ 14,605.00
47	WATER SERVICE PIPE	300	LF	\$ 60.00	\$ 18,000.00	\$ 100.00	\$ 30,000.00	\$ 29.00	\$ 8,700.00	\$ 20.00	\$ 6,000.00	\$ 23.00	\$ 6,900.00
48	WATER SERVICE EXPLORATION	15	LF	\$ 50.00	\$ 750.00	\$ 20.00	\$ 300.00	\$ 80.00	\$ 1,200.00	\$ 50.00	\$ 750.00	\$ 29.00	\$ 435.00
49	WATER MAIN RELOCATION, 1" OR 2" COPPER	15	LF	\$ 100.00	\$ 1,500.00	\$ 30.00	\$ 450.00	\$ 125.00	\$ 1,875.00	\$ 20.00	\$ 300.00	\$ 32.00	\$ 480.00
50	WATER MAIN RELOCATION, 6" DIP	10	LF	\$ 225.00	\$ 2,250.00	\$ 60.00	\$ 600.00	\$ 250.00	\$ 2,500.00	\$ 70.00	\$ 700.00	\$ 200.00	\$ 2,000.00
51	WATER MAIN RELOCATION, 10" DIP	15	LF	\$ 250.00	\$ 3,750.00	\$ 60.00	\$ 900.00	\$ 150.00	\$ 2,250.00	\$ 90.00	\$ 1,350.00	\$ 220.00	\$ 3,300.00
52	WATER MAIN RELOCATION, 12" DIP	10	LF	\$ 300.00	\$ 3,000.00	\$ 80.00	\$ 800.00	\$ 250.00	\$ 2,500.00	\$ 100.00	\$ 1,000.00	\$ 250.00	\$ 2,500.00
53	WATER MAIN RELOCATION, 16" DIP	10	LF	\$ 400.00	\$ 4,000.00	\$ 80.00	\$ 800.00	\$ 300.00	\$ 3,000.00	\$ 125.00	\$ 1,250.00	\$ 290.00	\$ 2,900.00
54	SANITARY MANHOLE, STANDARD, 5' DIAMETER (8' DEEP)	31	EA	\$ 5,600.00	\$ 173,600.00	\$ 4,800.00	\$ 148,800.00	\$ 6,500.00	\$ 201,500.00	\$ 5,750.00	\$ 178,250.00	\$ 5,300.00	\$ 164,300.00
55	SANITARY MANHOLE, EXTRA DEPTH, 5' DIAMETER	85	LF	\$ 400.00	\$ 34,000.00	\$ 400.00	\$ 34,000.00	\$ 400.00	\$ 34,000.00	\$ 450.00	\$ 38,250.00	\$ 270.00	\$ 22,950.00
56	SANITARY MANHOLE, FLAT TOP, 5' DIAMETER	2	EA	\$ 6,000.00	\$ 12,000.00	\$ 4,300.00	\$ 8,600.00	\$ 6,800.00	\$ 13,600.00	\$ 5,750.00	\$ 11,500.00	\$ 5,800.00	\$ 11,600.00
57	STORM MANHOLE, ECCENTRIC, 5' DIAMETER (UP TO 8' DEEP)	10	EA	\$ 4,800.00	\$ 48,000.00	\$ 4,321.00	\$ 43,210.00	\$ 5,500.00	\$ 55,000.00	\$ 5,000.00	\$ 50,000.00	\$ 4,750.00	\$ 47,500.00

West Hill Area Sanitary and Storm Sewer Separation, Muscatine, Iowa - Phase 5 - B

MILESTONE 2				Bidder #1		Bidder #2		Bidder #3		Bidder #4		Bidder #5	
PHASE 5B				Triple B		Hagerty		Heuer		KE Flatwork		Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
58	STORM MANHOLE, EXTRA DEPTH	9	LF	\$ 300.00	\$ 2,700.00	\$ 400.00	\$ 3,600.00	\$ 400.00	\$ 3,600.00	\$ 450.00	\$ 4,050.00	\$ 270.00	\$ 2,430.00
59	STORM MANHOLE, FLAT TOP, SW-401, 5' DIAMETER	7	EA	\$ 5,100.00	\$ 35,700.00	\$ 4,300.00	\$ 30,100.00	\$ 5,600.00	\$ 39,200.00	\$ 5,000.00	\$ 35,000.00	\$ 5,150.00	\$ 36,050.00
60	STORM MANHOLE, FLAT TOP, SW-401, 4' DIAMETER	1	EA	\$ 4,500.00	\$ 4,500.00	\$ 2,800.00	\$ 2,800.00	\$ 4,000.00	\$ 4,000.00	\$ 4,500.00	\$ 4,500.00	\$ 3,800.00	\$ 3,800.00
61	STORM INLET, SW-501	9	EA	\$ 2,500.00	\$ 22,500.00	\$ 2,500.00	\$ 22,500.00	\$ 3,000.00	\$ 27,000.00	\$ 3,100.00	\$ 27,900.00	\$ 3,100.00	\$ 27,900.00
62	STORM INLET, SW-502	9	EA	\$ 3,200.00	\$ 28,800.00	\$ 2,850.00	\$ 25,650.00	\$ 3,700.00	\$ 33,300.00	\$ 3,100.00	\$ 27,900.00	\$ 3,600.00	\$ 32,400.00
63	STORM INLET, SW-507	2	EA	\$ 3,600.00	\$ 7,200.00	\$ 2,850.00	\$ 5,700.00	\$ 4,400.00	\$ 8,800.00	\$ 3,500.00	\$ 7,000.00	\$ 3,750.00	\$ 7,500.00
64	STORM INLET, SW-513	1	EA	\$ 5,000.00	\$ 5,000.00	\$ 3,600.00	\$ 3,600.00	\$ 5,000.00	\$ 5,000.00	\$ 2,750.00	\$ 2,750.00	\$ 4,000.00	\$ 4,000.00
65	SANITARY INTERNAL DROP CONNECTION	7	EA	\$ 1,100.00	\$ 7,700.00	\$ 1,050.00	\$ 7,350.00	\$ 1,000.00	\$ 7,000.00	\$ 1,500.00	\$ 10,500.00	\$ 1,000.00	\$ 7,000.00
66	SANITARY EXTERNAL DROP CONNECTION	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 1,500.00	\$ 1,500.00	\$ 2,800.00	\$ 2,800.00	\$ 4,500.00	\$ 4,500.00	\$ 3,300.00	\$ 3,300.00
67	MANHOLE OR INTAKE ADJUSTMENT, MAJOR	3	EA	\$ 3,150.00	\$ 9,450.00	\$ 2,000.00	\$ 6,000.00	\$ 2,500.00	\$ 7,500.00	\$ 1,250.00	\$ 3,750.00	\$ 1,000.00	\$ 3,000.00
68	CONNECTIONS TO EXISTING MANHOLES	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 750.00	\$ 1,500.00	\$ 1,500.00	\$ 3,000.00	\$ 1,250.00	\$ 2,500.00	\$ 1,000.00	\$ 2,000.00
69	CONNECTION TO EXISTING MANHOLE 8284	0	LS	\$ 2,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70	REMOVAL OF EXISTING STRUCTURES	2	EA	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00	\$ 2,000.00	\$ 4,000.00	\$ 250.00	\$ 500.00	\$ 700.00	\$ 1,400.00
71	PAVEMENT, PCC, 8 INCH	14486	SY	\$ 54.00	\$ 782,244.00	\$ 52.50	\$ 760,515.00	\$ 52.50	\$ 760,515.00	\$ 53.00	\$ 767,758.00	\$ 46.00	\$ 666,356.00
72	PAVEMENT, PCC, 7 INCH	1653	SY	\$ 48.00	\$ 79,344.00	\$ 46.50	\$ 76,864.50	\$ 46.50	\$ 76,864.50	\$ 47.00	\$ 77,691.00	\$ 44.00	\$ 72,732.00
73	PCC PAVEMENT SAMPLES AND TESTING	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00	\$ 1,000.00	\$ 1,000.00
74	HMA PAVEMENT	89	TON	\$ 156.00	\$ 13,884.00	\$ 150.00	\$ 13,350.00	\$ 150.00	\$ 13,350.00	\$ 210.00	\$ 18,690.00	\$ 150.00	\$ 13,350.00
75	REMOVAL, DRIVEWAY/ALLEY PAVEMENT	1040	SY	\$ 6.00	\$ 6,240.00	\$ 7.00	\$ 7,280.00	\$ 6.00	\$ 6,240.00	\$ 10.00	\$ 10,400.00	\$ 10.00	\$ 10,400.00
76	REMOVAL, SIDEWALK	465	SY	\$ 6.00	\$ 2,790.00	\$ 7.00	\$ 3,255.00	\$ 6.00	\$ 2,790.00	\$ 10.00	\$ 4,650.00	\$ 10.00	\$ 4,650.00
77	REMOVAL, LIMESTONE CURB	10	LF	\$ 40.00	\$ 400.00	\$ 5.00	\$ 50.00	\$ 10.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 30.00	\$ 300.00
78	SIDEWALK, PAVED, PCC, 4-INCH	382	SY	\$ 48.00	\$ 18,336.00	\$ 45.00	\$ 17,190.00	\$ 45.00	\$ 17,190.00	\$ 48.00	\$ 18,336.00	\$ 64.00	\$ 24,448.00
79	SIDEWALK, PAVED, PCC, 6-INCH	34	SY	\$ 62.50	\$ 2,125.00	\$ 70.00	\$ 2,380.00	\$ 70.00	\$ 2,380.00	\$ 90.00	\$ 3,060.00	\$ 135.00	\$ 4,590.00
80	DETECTABLE WARNING TILES	301	SF	\$ 31.00	\$ 9,331.00	\$ 30.00	\$ 9,030.00	\$ 30.00	\$ 9,030.00	\$ 30.00	\$ 9,030.00	\$ 50.00	\$ 15,050.00
81	DRIVEWAY/ALLEY PAVED, PCC, 6-INCH	1109	SY	\$ 56.00	\$ 62,104.00	\$ 55.00	\$ 60,995.00	\$ 55.00	\$ 60,995.00	\$ 60.00	\$ 66,540.00	\$ 63.00	\$ 69,867.00
82	PAVEMENT REMOVAL, MILLING	14992.00	SY	\$ 4.50	\$ 67,464.00	\$ 4.15	\$ 62,216.80	\$ 4.50	\$ 67,464.00	\$ 3.00	\$ 44,976.00	\$ 4.15	\$ 62,216.80
83	PAVEMENT REMOVAL, CONCRETE	1644	SY	\$ 7.00	\$ 11,508.00	\$ 8.00	\$ 13,152.00	\$ 6.00	\$ 9,864.00	\$ 4.00	\$ 6,576.00	\$ 10.00	\$ 16,440.00
84	SUBBASE MATERIAL REMOVAL AFTER MILLING	14992	SY	\$ 2.00	\$ 29,984.00	\$ 5.00	\$ 74,960.00	\$ 4.50	\$ 67,464.00	\$ 3.00	\$ 44,976.00	\$ 10.00	\$ 149,920.00
85	PAINTED PAVEMENT MARKINGS, DURABLE	45	STA	\$ 300.00	\$ 13,500.00	\$ 288.00	\$ 12,960.00	\$ 288.00	\$ 12,960.00	\$ 50.00	\$ 2,250.00	\$ 288.00	\$ 12,960.00
86	PAINTED SYMBOLS AND LEGENDS, DURABLE	0	EA	\$ 500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87	TRAFFIC CONTROL	1	LS	\$ 15,500.00	\$ 15,500.00	\$ 10,000.00	\$ 10,000.00	\$ 15,000.00	\$ 15,000.00	\$ 11,000.00	\$ 11,000.00	\$ 14,950.00	\$ 14,950.00
88	SPECIAL SIGNAGE	18	SF	\$ 25.00	\$ 450.00	\$ 25.00	\$ 450.00	\$ 30.00	\$ 540.00	\$ 125.00	\$ 2,250.00	\$ 25.00	\$ 450.00
89	RESIDENTIAL HYDRAULIC SEEDING, FERTILIZING, MULCHING (TYPE 1)	55612	SF	\$ 0.10	\$ 5,561.20	\$ 0.10	\$ 5,561.20	\$ 0.100122	\$ 5,568.00	\$ 0.25	\$ 13,903.00	\$ 0.08	\$ 4,448.96
90	RAVINE FILL SITE PERMANENT HYDRAULIC SEEDING, FERTILIZING, MULCHING (TYPE 2)	3.00	ACRE	\$ 3,100.00	\$ 9,300.00	\$ 3,450.00	\$ 10,350.00	\$ 3,450.00	\$ 10,350.00	\$ 1,000.00	\$ 3,000.00	\$ 2,950.00	\$ 8,850.00

West Hill Area Sanitary and Storm Sewer Separation, Muscatine, Iowa - Phase 5 - B

MILESTONE 2 PHASE 5B				Bidder #1		Bidder #2		Bidder #3		Bidder #4		Bidder #5	
				Triple B		Hagerty		Heuer		KE Flatwork		Langman	
No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
91	BACKYARD/RAVINE PERMANENT HYDRAULIC SEEDING, FERTILIZING, MULCHING (TYPE 2)	1.48	ACRE										
				\$ 3,100.00	\$ 4,588.00	\$ 3,450.00	\$ 5,106.00	\$ 3,450.00	\$ 5,106.00	\$ 4,500.00	\$ 6,660.00	\$ 2,950.00	\$ 4,366.00
92	RAVINE FILL SITE TEMPORARY EROSION CONTROL HYDRAULIC SEEDING, FERTILIZING, MULCHING (TYPE 4)	3.00	ACRE										
				\$ 2,050.00	\$ 6,150.00	\$ 2,000.00	\$ 6,000.00	\$ 2,000.00	\$ 6,000.00	\$ 1,000.00	\$ 3,000.00	\$ 1,950.00	\$ 5,850.00
93	SWPPP MANAGEMENT	1	LS	\$ 4,500.00	\$ 4,500.00	\$ 1,500.00	\$ 1,500.00	\$ 10,000.00	\$ 10,000.00	\$ 1,000.00	\$ 1,000.00	\$ 4,250.00	\$ 4,250.00
94	FILTER SOCKS	150	LF	\$ 5.00	\$ 750.00	\$ 2.00	\$ 300.00	\$ 2.00	\$ 300.00	\$ 6.00	\$ 900.00	\$ 4.00	\$ 600.00
95	SILT FENCE OR SILT FENCE DITCH CHECK	2000	LF										
				\$ 2.00	\$ 4,000.00	\$ 2.00	\$ 4,000.00	\$ 2.00	\$ 4,000.00	\$ 1.85	\$ 3,700.00	\$ 1.70	\$ 3,400.00
96	STABILIZED CONSTRUCTION ENTRANCE	2	EA	\$ 1,500.00	\$ 3,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,500.00	\$ 5,000.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00
97	EROSION CONTROL MULCHING, HYDROMULCHING	3	ACRE										
				\$ 2,050.00	\$ 6,150.00	\$ 1,750.00	\$ 5,250.00	\$ 1,750.00	\$ 5,250.00	\$ 1,000.00	\$ 3,000.00	\$ 1,950.00	\$ 5,850.00
98	TEMPORARY TURF REINFORCEMENT MESH	4000	SF										
				\$ 3.25	\$ 13,000.00	\$ 1.75	\$ 7,000.00	\$ 3.75	\$ 15,000.00	\$ 2.00	\$ 8,000.00	\$ 3.00	\$ 12,000.00
99	INLET PROTECTION DEVICE, DROP IN PROTECTION	10	EA										
				\$ 125.00	\$ 1,250.00	\$ 50.00	\$ 500.00	\$ 180.00	\$ 1,800.00	\$ 100.00	\$ 1,000.00	\$ 125.00	\$ 1,250.00
100	DEMOLITION - HOUSE FOUNDATION REMOVAL	0	LS										
				\$ 3,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101	CONSTRUCTION SURVEY	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 35,000.00	\$ 35,000.00	\$ 89,000.00	\$ 89,000.00	\$ 65,000.00	\$ 65,000.00	\$ 15,000.00	\$ 15,000.00
102	MOBILIZATION	1	LS	\$ 150,000.00	\$ 150,000.00	\$ 142,500.00	\$ 142,500.00	\$ 325,000.00	\$ 325,000.00	\$ 245,000.00	\$ 245,000.00	\$ 511,000.00	\$ 511,000.00
103	MOBILIZATION, EROSION CONTROL	6	EA	\$ 400.00	\$ 2,400.00	\$ 500.00	\$ 3,000.00	\$ 500.00	\$ 3,000.00	\$ 100.00	\$ 600.00	\$ 350.00	\$ 2,100.00
104	EXISTING CONDITIONS VIDEO RECORD	1	LS	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00	\$ 2,500.00	\$ 2,500.00	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00
105	CITY FIELD OFFICE	10	MONTH										
				\$ 500.00	\$ 5,000.00	\$ 150.00	\$ 1,500.00	\$ 300.00	\$ 3,000.00	\$ 100.00	\$ 1,000.00	\$ 500.00	\$ 5,000.00
106	MAINTENANCE OF POSTAL SERVICE	60	EA	\$ 20.00	\$ 1,200.00	\$ 40.00	\$ 2,400.00	\$ 250.00	\$ 15,000.00	\$ 50.00	\$ 3,000.00	\$ 50.00	\$ 3,000.00
107	MAINTENANCE OF SOLID WASTE COLLECTION	1	LS										
				\$ 100.00	\$ 100.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 1,000.00	\$ 1,000.00	\$ 0.01	\$ 0.01
108	CONCRETE WASHOUT	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 1,000.00	\$ 1,000.00	\$ 250.00	\$ 250.00	\$ 500.00	\$ 500.00
109	UTILITY VEHICLES	0	EA	\$ 11,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OF ALL PHASE 5B BID ITEMS				\$ 3,175,708.70		\$ 3,017,485.50		\$ 3,488,423.70		\$ 3,230,393.00		\$ 3,449,289.97	

Phase 5B Total Engineering Estimate

\$ 4,255,282.85