CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: May 3, 2021

ITEM:

Public Hearing (5:35 p.m.)
88th Street Reconstruction – Ashworth Road to Abram Drive (Unimproved Sections)

FINANCIAL IMPACT:

The revised Engineering Estimate of Construction Cost was estimated to be $2,555,597.00 for the 88th Street Reconstruction – Ashworth Road to Abram Drive (Unimproved Sections), which included additional costs for field fence and a gate added as part of Addendum #1. There were five (5) bids submitted with the low bid of $2,059,582.05 being submitted by Concrete Technologies, Inc. (CTI) of Grimes, Iowa. CTI acknowledged Addendum #1 with their bid submittal but failed to utilize revised page #8 of the Proposal when doing so, thus causing their bid to be considered non-responsive. The second low bid of $2,121,514.50 was submitted by Alliance Construction Group of Urbandale, Iowa. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from General Obligation Bonds (Series 2021A). West Des Moines Water Works will reimburse the City of West Des Moines approximately $93,730.00 for watermain improvements along 88th Street near Ashworth Road. In addition, City Council approved on April 19, 2020 reimbursement of $222,970.00 from a developer for their share of the project. All right of way for this project was voluntarily donated by the adjacent property owners.

BACKGROUND:

The project will include the reconstruction of three (3) unimproved roadway sections of 88th Street from Ashworth Road to Abram Drive. The southern section from Abram Drive to the northern limits of Valley View Park is currently a rural type asphalt cross section and will be reconstructed of concrete with curb and gutter. The middle section from Century Drive to EP True Parkway is currently a rural type gravel cross section and will be reconstructed of concrete with curb and gutter. The northern section from Primo Lane to Ashworth Road is currently a rural type gravel cross section and will also be reconstructed of concrete with curb and gutter. Trail will be included with the project along the northern section and will complete the trail network from Ashworth Road to Mills Civic Parkway. The middle and northern sections are to be completed and open to traffic by October 31, 2021. The remainder of the project is anticipated to be completed by June 20, 2022.

Concrete Technologies, Inc. (CTI) submitted the low bid of $2,059,582.05. CTI acknowledged Addendum #1 with their bid submittal but failed to utilize revised page #8 of the Proposal which included additional costs for field fence and a gate, thus causing their bid to be deemed non-responsive. After Legal consultation on the matter, Staff recommend rejecting the low bid and awarding the contract to Alliance Construction Group having the second low bid of $2,121,514.50.

This agenda item was distributed to the Public Services Subcommittee by e-mail only since there was no meeting.

OUTSTANDING ISSUES:

None.

RECOMMENDATION:

City Council Adopt:

- Resolution adopting Plans, Specifications, Form of Contract, and Estimate of Costs for the 88th Street Reconstruction – Ashworth Road to Abram Drive (Unimproved Sections);
- Motion receiving and filing Report of Bids;
- Resolution acknowledging bid irregularities and awarding the construction contract to Alliance Construction Group.

Lead Staff Member: Brian J. Hemesath, P.E., City Engineer

STAFF REVIEWS

Department Director	Brian J. Hemesath, P.E., City Engineer
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	

PUBLICATION(S) (if applicable)

Published In	Des Moines Register
Dates(s) Published	April 23, 2021

SUBCOMMITTEE REVIEW (if applicable)

Committee			
Date Reviewed			
Recommendation	Yes	No	Split

RESOLUTION APPROVING ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST

WHEREAS, on April 5, 2021, Plans, Specifications, Form of Contract, and Estimate of Cost were filed with the City Clerk for the following described public improvement:

88th Street Reconstruction – Ashworth Road to Abram Drive (Unimproved Sections)
Project No. 0510-039-2020

and

WHEREAS, notice of hearing on Plans, Specifications, Form of Contract, and Estimate of Cost for said public improvements were published as required by law;

therefore,

BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, that the Plans, Specifications, Form of Contract, and Estimate of Costs for said Public Improvement are hereby approved.

PASSED AND APPROVED on this **3rd** day of **May, 2021.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

RESOLUTION APPROVING THE AWARDING OF A CONTRACT

WHEREAS, the City Council of the City of West Des Moines has heretofore directed advertisement for bids for the following described public improvement:

88th Street Reconstruction – Ashworth Road to Abram Drive (Unimproved Sections)
Project No. 0510-039-2020

and

WHEREAS, bids have been received and opened by the City Clerk and placed on file by the City Council; and

WHEREAS, an irregularity was noted on the bid that was received from Concrete Technologies, Inc. (CTI); and

WHEREAS, the irregularity of not correctly utilizing revised page #8 issued with Addendum #1 even though CTI properly acknowledged receipt of Addendum #1 is a material irregularity; and

WHEREAS, the low bid from CTI is deemed non-responsive; and

WHEREAS, the bid of Alliance Construction Group in the amount of $2,121,514.50 becomes the lowest responsible bid received for said public improvement;

therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, deems the low bid from CTI as non-responsive and rejects the low bid.

BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that a contract for the 88th Street Reconstruction – Ashworth Road to Abram Drive (Unimproved Sections) is hereby awarded to Alliance Construction Group in the amount of $2,121,514.50 and the bond of said bidder for the project is hereby fixed in the same amount.

BE IT FURTHER RESOLVED that the City Engineer is authorized and directed to return bid bond(s) and/or check(s) to any unsuccessful bidder.

BE IT FURTHER RESOLVED that work on said project may commence as soon as the final contract and bond have been approved by the City Engineer and have been signed by the City Clerk and after the contractor is given a written notice to proceed by the City Engineer.

PASSED AND ADOPTED on this **3rd** day of **May, 2021.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

McClure Engineering Company
1360 NW 121st Street
Clive, IA 50325
Ph: 515-964-1229 Fax: 515-964-2370

88TH STREET RECONSTRUCTION - ASHWORTH TO ABRAM

CITY PROJ. NO. 0510-039-2020

TABULATION OF BIDS

Owner: City of West Des Moines
Proj. No.: MEC 20617021
Location: 4200 Mills Civic Parkway, West Des Moines, IA

Bid Date: April 28th, 2021
Time: 2:00 PM

Name of Bidder Address				Engineer's Estimate		Concrete Technologies, Inc. 1001 SE 37th St Grimes, IA 50111		Alliance Construction Group 9400 Plum Drive Urbandale, IA 50322	
Bid Bond						Yes		Yes	
Addendum #1						Yes		Yes	
Bidder Status Form						Yes		Yes	
Item No.	Item	Unit	Estimated Quantity	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
	SECTION 2010 - EARTHWORK, SUBGRADE, AND SUBBASE								
2.01	CLEARING AND GRUBBING	AC	5.5	$ 10,000.00	$ 55,000.00	$ 2,810.00	$ 15,455.00	$ 6,000.00	$ 33,000.00
2.02	TOPSOIL, ON-SITE	CY	5000	$ 10.00	$ 50,000.00	$ 6.50	$ 32,500.00	$ 7.00	$ 35,000.00
2.03	EXCAVATION, CLASS 10	CY	2140	$ 10.00	$ 21,400.00	$ 5.40	$ 11,556.00	$ 12.00	$ 25,680.00
2.04	EXCAVATION, CLASS 10 WASTE	CY	1350	$ 10.00	$ 13,500.00	$ 8.75	$ 11,812.50	$ 12.00	$ 16,200.00
2.05	EMBANKMENT IN PLACE - CONTRACTOR SUPPLY AND PLACE	CY	10505	$ 20.00	$ 210,100.00	$ 10.25	$ 107,676.25	$ 10.00	$ 105,050.00
2.06	BELOW GRADE EXCAVATION (CORE OUT)	CY	600	$ 20.00	$ 12,000.00	$ 2.20	$ 1,320.00	$ 20.00	$ 12,000.00
2.07	SUBGRADE PREPARATION	SY	13024	$ 4.00	$ 52,096.00	$ 2.70	$ 35,164.80	$ 3.00	$ 39,072.00
2.08	SUBGRADE TREATMENT, CEMENT	SY	3250	$ 15.00	$ 48,750.00	$ 7.60	$ 24,700.00	$ 7.00	$ 22,750.00
2.09	SUBBASE, GRANULAR SUBBASE, 4 IN.	SY	13024	$ 20.00	$ 260,480.00	$ 9.20	$ 119,820.80	$ 7.50	$ 97,680.00
2.10	REMOVAL OF KNOWN PIPE CULVERT	LF	120	$ 25.00	$ 3,000.00	$ 32.50	$ 3,900.00	$ 15.00	$ 1,800.00
	SECTION 3010 - TRENCH EXCAVATION AND BACKFILL								
3.01	TRENCH FOUNDATION	TON	300	$ 35.00	$ 10,500.00	$ 52.00	$ 15,600.00	$ 33.00	$ 9,900.00
3.02	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	300	$ 15.00	$ 4,500.00	$ 34.75	$ 10,425.00	$ 20.00	$ 6,000.00
	SECTION 4020 - STORM SEWERS								
4.01	STORM SEWER, TRENCHED, 2000D RCP, 15 IN DIA.	LF	873	$ 75.00	$ 65,475.00	$ 88.75	$ 77,478.75	$ 52.00	$ 45,396.00
4.02	STORM SEWER, TRENCHED, 2000D RCP, 18 IN DIA.	LF	264	$ 85.00	$ 22,440.00	$ 77.75	$ 20,526.00	$ 63.00	$ 16,632.00
4.03	STORM SEWER, TRENCHED, 2000D RCP, 24 IN DIA.	LF	187	$ 110.00	$ 20,570.00	$ 84.25	$ 15,754.75	$ 75.00	$ 14,025.00
4.04	STORM SEWER, TRENCHED, 2000D RCP, 30 IN DIA.	LF	426	$ 140.00	$ 59,640.00	$ 103.00	$ 43,878.00	$ 80.00	$ 34,080.00
4.05	STORM SEWER, TRENCHED, 2000D RCP, 36 IN DIA.	LF	125	$ 180.00	$ 22,500.00	$ 173.00	$ 21,625.00	$ 95.00	$ 11,875.00
4.06	STORM SEWER, TRENCHED, PVC, 36 IN DIA.	LF	60	$ 180.00	$ 10,800.00	$ 155.00	$ 9,300.00	$ 72.00	$ 4,320.00
4.07	REMOVAL OF STORM SEWER, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	55	$ 15.00	$ 825.00	$ 32.50	$ 1,787.50	$ 15.00	$ 825.00
	SECTION 4030 - PIPE CULVERTS								
4.08	PIPE APRON, RCP, 24 IN DIA.	EA	2	$ 1,500.00	$ 3,000.00	$ 975.00	$ 1,950.00	$ 3,400.00	$ 6,800.00
4.09	PIPE APRON, RCP, 36 IN DIA.	EA	1	$ 2,500.00	$ 2,500.00	$ 1,350.00	$ 1,350.00	$ 4,800.00	$ 4,800.00
4.10	FOOTING FOR CONCRETE PIPE APRON, RCP, 24 IN DIA.	EA	2	$ 800.00	$ 1,600.00	$ 730.00	$ 1,460.00	$ 350.00	$ 700.00
4.11	FOOTING FOR CONCRETE PIPE APRON, RCP, 36 IN DIA.	EA	1	$ 1,000.00	$ 1,000.00	$ 850.00	$ 850.00	$ 550.00	$ 550.00
4.12	PIPE APRON GUARD	EA	3	$ 1,000.00	$ 3,000.00	$ 760.00	$ 2,280.00	$ 1,200.00	$ 3,600.00
	SECTION 4040 - SUBDRAINS AND FOOTING DRAIN COLLECTORS								
4.13	SUBDRAIN, CASE C - TYPE 1, 6 IN. DIA.	LF	2948	$ 13.00	$ 38,324.00	$ 12.50	$ 36,850.00	$ 14.25	$ 42,009.00
4.14	SUBDRAIN CLEANOUT, TYPE A-1, 6 IN. DIA.	LF	11	$ 750.00	$ 8,250.00	$ 460.00	$ 5,060.00	$ 475.00	$ 5,225.00
4.15	SUBDRAIN OUTLETS AND CONNECTIONS, INTAKE OR MANHOLE, CMP, 8 IN. DIA.	EA	25	$ 400.00	$ 10,000.00	$ 350.00	$ 8,750.00	$ 525.00	$ 13,125.00
4.16	SUBDRAIN OUTLETS AND CONNECTIONS, STORM SEWER	EA	2	$ 500.00	$ 1,000.00	$ 1,030.00	$ 2,060.00	$ 475.00	$ 950.00
	SECTION 5010 - PIPE AND FITTINGS								
5.01	WATER MAIN, TRENCHED, PVC, 16 IN. DIA.	LF	875	$ 70.00	$ 61,250.00	$ 102.00	$ 89,250.00	$ 78.00	$ 68,250.00
5.02	FITTING, DUCTILE IRON MECHANICAL JOINT, 16 IN. DIA.	LB	588	$ 10.00	$ 5,880.00	$ 13.00	$ 7,644.00	$ 10.00	$ 5,880.00
	SECTION 5020 - VALVES, FIRE HYDRANTS, AND APPURTENANCES								
5.03	FIRE HYDRANT ASSEMBLY	EA	2	$ 6,000.00	$ 12,000.00	$ 6,480.00	$ 12,960.00	$ 4,500.00	$ 9,000.00
5.04	VALVE BOX EXTENSION	EA	3	$ 750.00	$ 2,250.00	$ 275.00	$ 825.00	$ 300.00	$ 900.00
5.05	VALVE BOX ADJUSTMENT	EA	4	$ 250.00	$ 1,000.00	$ 500.00	$ 2,000.00	$ 250.00	$ 1,000.00
5.06	FIRE HYDRANT ADJUSTMENT	EA	3	$ 1,500.00	$ 4,500.00	$ 1,260.00	$ 3,780.00	$ 1,100.00	$ 3,300.00
5.07	FIRE HYDRANT RELOCATION	EA	1	$ 2,000.00	$ 2,000.00	$ 3,890.00	$ 3,890.00	$ 3,200.00	$ 3,200.00
5.08	BLOWOFF FIRE HYDRANT ASSEMBLY REMOVAL	EA	1	$ 1,000.00	$ 1,000.00	$ 1,460.00	$ 1,460.00	$ 2,200.00	$ 2,200.00

Name of Bidder				Engineer's Estimate		Concrete Technologies, Inc.		Alliance Construction Group	
	SECTION 6010 - STRUCTURES FOR SANITARY AND STORM SEWERS								
6.01	MANHOLE TYPE SW-401, 60 IN. DIA.	EA	1	$ 10,000.00	$ 10,000.00	$ 4,860.00	$ 4,860.00	$ 6,500.00	$ 6,500.00
6.02	MANHOLE TYPE SW-401, 72 IN. DIA.	EA	1	$ 12,000.00	$ 12,000.00	$ 6,510.00	$ 6,510.00	$ 7,500.00	$ 7,500.00
6.03	MANHOLE TYPE SW-402, 5 FT X 5 FT	EA	1	$ 10,000.00	$ 10,000.00	$ 4,825.00	$ 4,825.00	$ 4,650.00	$ 4,650.00
6.04	MANHOLE TYPE SW-402, 7 FT X 5 FT	EA	1	$ 12,000.00	$ 12,000.00	$ 6,860.00	$ 6,860.00	$ 5,300.00	$ 5,300.00
6.05	INTAKE TYPE SW-501	EA	11	$ 4,500.00	$ 49,500.00	$ 2,565.00	$ 28,215.00	$ 3,200.00	$ 35,200.00
6.06	INTAKE TYPE SW-503	EA	7	$ 7,500.00	$ 52,500.00	$ 3,665.00	$ 25,655.00	$ 4,000.00	$ 28,000.00
6.07	INTAKE TYPE SW-505	EA	3	$ 7,500.00	$ 22,500.00	$ 4,325.00	$ 12,975.00	$ 4,500.00	$ 13,500.00
6.08	INTAKE TYPE SW-506	EA	2	$ 10,000.00	$ 20,000.00	$ 7,340.00	$ 14,680.00	$ 7,200.00	$ 14,400.00
6.09	INTAKE TYPE SW-506 MODIFIED	EA	2	$ 12,000.00	$ 24,000.00	$ 7,665.00	$ 15,330.00	$ 8,000.00	$ 16,000.00
6.10	MANHOLE ADJUSTMENT, MAJOR	EA	1	$ 1,000.00	$ 1,000.00	$ 2,975.00	$ 2,975.00	$ 2,000.00	$ 2,000.00
6.11	CONNECTION TO EXISTING INTAKE	EA	1	$ 500.00	$ 500.00	$ 3,780.00	$ 3,780.00	$ 3,000.00	$ 3,000.00
6.12	REMOVE INTAKE	EA	2	$ 500.00	$ 1,000.00	$ 540.00	$ 1,080.00	$ 1,000.00	$ 2,000.00
	SECTION 7010 - PORTLAND CEMENT CONCRETE PAVEMENT								
7.01	PAVEMENT, PCC, 9 1/2 IN. REINFORCED	SY	11026	$ 70.00	$ 771,820.00	$ 68.00	$ 749,768.00	$ 73.75	$ 813,167.50
	SECTION 7030 - SIDEWALKS, SHARED USED PATHS, AND DRIVEWAYS								
7.02	REMOVAL OF SIDEWALK	SY	20	$ 15.00	$ 300.00	$ 16.25	$ 325.00	$ 15.00	$ 300.00
7.03	REMOVAL OF DRIVEWAY	SY	625	$ 15.00	$ 9,375.00	$ 10.80	$ 6,750.00	$ 14.00	$ 8,750.00
7.04	REMOVAL OF CURB	LF	12	$ 100.00	$ 1,200.00	$ 38.00	$ 456.00	$ 40.00	$ 480.00
7.05	SHARED USE PATH, PCC, 6 IN. REINFORCED	SY	849	$ 60.00	$ 50,940.00	$ 55.00	$ 46,695.00	$ 78.00	$ 66,222.00
7.06	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH	SY	1094	$ 4.00	$ 4,376.00	$ 1.90	$ 2,078.60	$ 4.00	$ 4,376.00
7.07	SIDEWALK, PCC, 4 IN.	SY	9	$ 50.00	$ 450.00	$ 140.00	$ 1,260.00	$ 130.00	$ 1,170.00
7.08	DETECTABLE WARNING	SF	20	$ 50.00	$ 1,000.00	$ 36.75	$ 735.00	$ 55.00	$ 1,100.00
7.09	DRIVEWAY, PAVED, PCC, 6 IN.	SY	1250	$ 50.00	$ 62,500.00	$ 55.75	$ 69,687.50	$ 70.00	$ 87,500.00
7.10	DRIVEWAY, PAVED, PCC, 6 IN. REINFORCED	SY	70	$ 60.00	$ 4,200.00	$ 63.50	$ 4,445.00	$ 95.00	$ 6,650.00
7.11	DRIVEWAY, GRANULAR	TON	45	$ 50.00	$ 2,250.00	$ 30.25	$ 1,361.25	$ 25.00	$ 1,125.00
7.12	GRANULAR SURFACING	TON	55	$ 50.00	$ 2,750.00	$ 30.25	$ 1,663.75	$ 25.00	$ 1,375.00
7.13	DRIVEWAY, GRANULAR (TEMPORARY ACCESS)	TON	600	$ 50.00	$ 30,000.00	$ 33.50	$ 20,100.00	$ 20.00	$ 12,000.00
	SECTION 7040 - PAVEMENT REHABILITATION								
7.14	PAVEMENT REMOVAL	SY	2428	$ 12.00	$ 29,136.00	$ 10.80	$ 26,222.40	$ 15.00	$ 36,420.00
	SECTION 8020 - PAVEMENT MARKINGS								
8.01	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	90.6	$ 150.00	$ 13,590.00	$ 59.50	$ 5,390.70	$ 70.00	$ 6,342.00
8.02	PAINTED SYMBOLS AND LEGENDS	EA	30	$ 150.00	$ 4,500.00	$ 97.25	$ 2,917.50	$ 90.00	$ 2,700.00
8.03	PAVEMENT MARKINGS REMOVED	STA	23.3	$ 100.00	$ 2,330.00	$ 65.00	$ 1,514.50	$ 60.00	$ 1,398.00
8.04	SYMBOLS AND LEGENDS REMOVED	EA	3	$ 150.00	$ 450.00	$ 108.00	$ 324.00	$ 100.00	$ 300.00
	SECTION 8030 - TEMPORARY TRAFFIC CONTROL								
8.05	TEMPORARY TRAFFIC CONTROL	LS	1	$ 50,000.00	$ 50,000.00	$ 23,975.00	$ 23,975.00	$ 60,000.00	$ 60,000.00
8.06	SAFETY FENCE	LF	800	$ 10.00	$ 8,000.00	$ 8.75	$ 7,000.00	$ 8.00	$ 6,400.00
8.07	CHANGEABLE MESSAGE SIGN	DAY	30	$ 200.00	$ 6,000.00	$ 165.00	$ 4,950.00	$ 150.00	$ 4,500.00
8.08	PERMANENT SIGNING	LS	1	$ 7,500.00	$ 7,500.00	$ 2,160.00	$ 2,160.00	$ 2,000.00	$ 2,000.00
8.09	PROJECT SIGN	EA	1	$ 1,000.00	$ 1,000.00	$ 1,300.00	$ 1,300.00	$ 1,200.00	$ 1,200.00
	SECTION 9010 - SEEDING								
9.01	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING - URBAN TEMP. EROSION CONTROL MIXTURE	AC	6.5	$ 1,200.00	$ 7,800.00	$ 1,350.00	$ 8,775.00	$ 2,400.00	$ 15,600.00
9.02	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING - RESCUE PLUS	AC	10.5	$ 4,000.00	$ 42,000.00	$ 4,375.00	$ 45,937.50	$ 3,000.00	$ 31,500.00
	SECTION 9040 - EROSION AND SEDIMENT CONTROL								
9.03	SWPPP PREPARATION	LS	1	$ 2,000.00	$ 2,000.00	$ 1,080.00	$ 1,080.00	$ 1,750.00	$ 1,750.00
9.04	SWPPP MANAGEMENT	LS	1	$ 5,000.00	$ 5,000.00	$ 3,780.00	$ 3,780.00	$ 3,250.00	$ 3,250.00
9.05	FILTER SOCK, 9 IN. DIA.	LF	4000	$ 3.00	$ 12,000.00	$ 2.75	$ 11,000.00	$ 1.75	$ 7,000.00
9.06	FILTER SOCK, REMOVAL	LF	4000	$ 0.50	$ 2,000.00	$ 0.40	$ 1,600.00	$ 0.25	$ 1,000.00
9.07	SILT FENCE OR SILT FENCE DITCH CHECK	LF	6000	$ 2.00	$ 12,000.00	$ 1.65	$ 9,900.00	$ 1.75	$ 10,500.00
9.08	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	LF	6000	$ 0.25	$ 1,500.00	$ 0.10	$ 600.00	$ 0.25	$ 1,500.00
9.09	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	6000	$ 0.25	$ 1,500.00	$ 0.10	$ 600.00	$ 0.25	$ 1,500.00
9.10	STABILIZED CONSTRUCTION ENTRANCE	TON	150	$ 60.00	$ 9,000.00	$ 35.75	$ 5,362.50	$ 33.00	$ 4,950.00
9.11	EROSION CONTROL MULCHING, HYDROMULCHING	AC	6.5	$ 1,500.00	$ 9,750.00	$ 1,625.00	$ 10,562.50	$ 2,300.00	$ 14,950.00
9.12	INLET PROTECTION DEVICE, DROP-IN INTAKE PROTECTION	EA	28	$ 200.00	$ 5,600.00	$ 175.00	$ 4,900.00	$ 150.00	$ 4,200.00
9.13	INLET PROTECTION DEVICE, MAINTENANCE	EA	28	$ 50.00	$ 1,400.00	$ 32.50	$ 910.00	$ 30.00	$ 840.00
9.14	STREET SWEEPING	EA	21	$ 500.00	$ 10,500.00	$ 750.00	$ 15,750.00	$ 425.00	$ 8,925.00
	SECTION 11010 - CONSTRUCTION SURVEY								
11.01	CONSTRUCTION SURVEY	LS	1	$ 20,000.00	$ 20,000.00	$ 49,061.00	$ 49,061.00	$ 25,000.00	$ 25,000.00
11.02	MONUMENT PRESERVATION AND REPLACEMENT	LS	1	$ 5,000.00	$ 5,000.00	$ 1,355.00	$ 1,355.00	$ 1,500.00	$ 1,500.00

Name of Bidder				Engineer's Estimate		Concrete Technologies, Inc.		Alliance Construction Group	
	SECTION 11030 - TEMPORARY SERVICES DURING CONSTRUCTION								
11.03	MAINTENANCE OF POSTAL SERVICE	LS	1	$ 5,000.00	$ 5,000.00	$ 3,250.00	$ 3,250.00	$ 3,000.00	$ 3,000.00
11.04	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	$ 5,000.00	$ 5,000.00	$ 6,125.00	$ 6,125.00	$ 4,000.00	$ 4,000.00
11.05	REMOVE AND REPLACE MAILBOX	EA	5	$ 350.00	$ 1,750.00	$ 325.00	$ 1,625.00	$ 450.00	$ 2,250.00
	SECTION 11050 - CONCRETE WASHOUT								
11.06	CONCRETE WASHOUT	LS	1	$ 10,000.00	$ 10,000.00	$ 5,885.00	$ 5,885.00	$ 6,000.00	$ 6,000.00
	FIELD FENCE								
11.07	FIELD FENCE	LF	250	$ 20.00	$ 5,000.00	See Note 1		$ 22.00	$ 5,500.00
11.08	GATE	EA	1	$ 1,000.00	$ 1,000.00	See Note 1		$ 500.00	$ 500.00
			Total Bid		**$ 2,555,597.00**		**$ 2,059,582.05**		**$ 2,121,514.50**

Notes:

1. **Bid item numbers 11.07 and 11.08 were added in Addendum #1. Concrete Technologies, Inc's Proposal Form acknowledged Addendum #1 but did not include revised Proposal Page #8 that included these two bid items. The Total Bid does not include bid item numbers 11.07 and 11.08.**

LICENSED PROFESSIONAL ENGINEER
THOMAS M. STOVIE 15588
IOWA

I hereby Certify that this is a true and correct tabulation of the bids received on April 28th, 2021 for the 88th Street Reconstruction - Ashworth to Abram Project, in the City of West Des Moines, Iowa.

4/28/2021

Thomas M. Stovie, P.E. License No. 15588 Date

McClure Engineering Company
1360 NW 121st Street
Clive, IA 50325
Ph: 515-964-1229 Fax: 515-964-2370

88TH STREET RECONSTRUCTION - ASHWORTH TO ABRAM

CITY PROJ. NO. 0510-039-2020

TABULATION OF BIDS

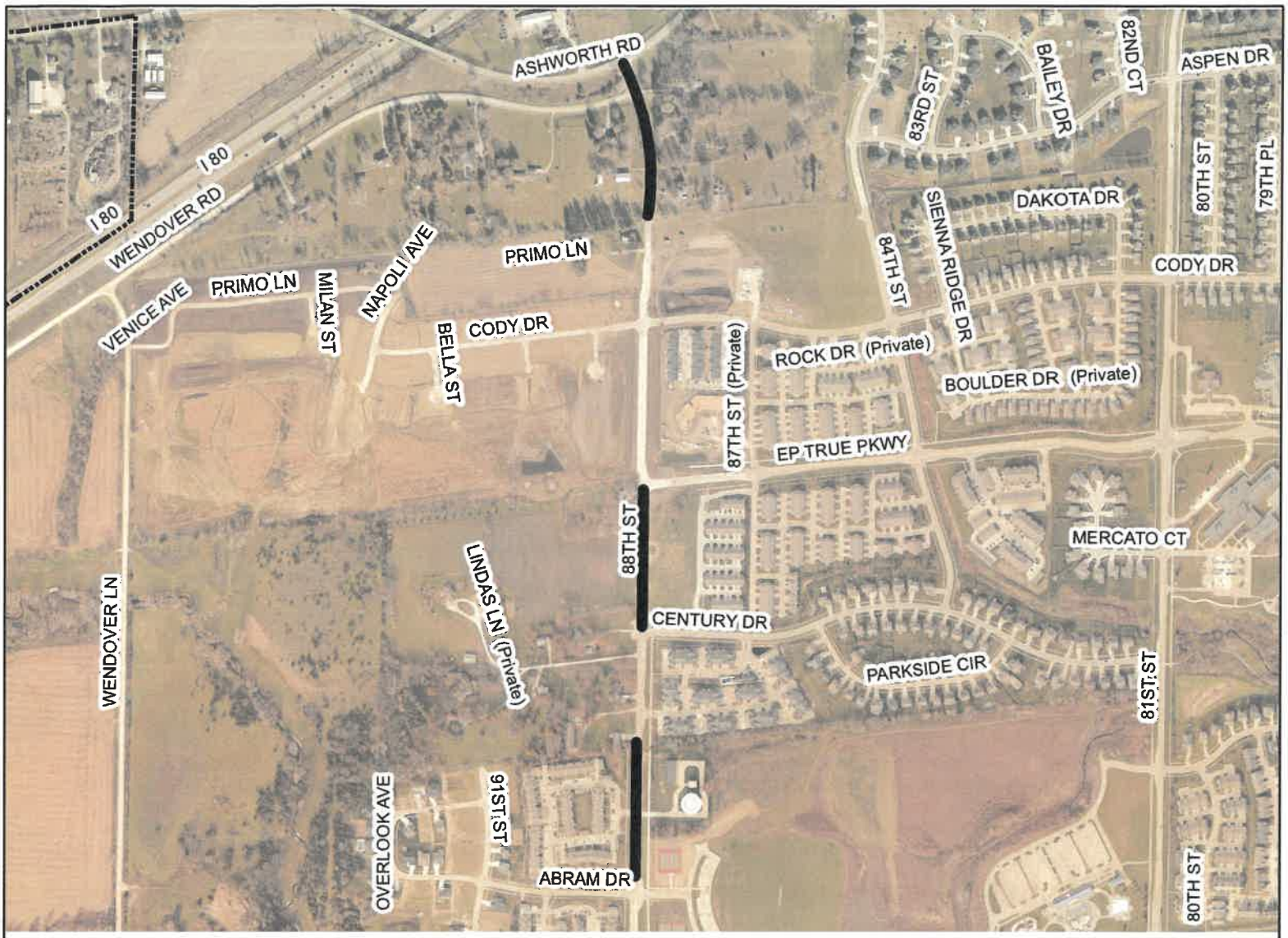
Owner: City of West Des Moines
Proj. No.: MEC 20617021
Location: 4200 Mills Civic Parkway, West Des Moines, IA

Bid Date: April 28th, 2021
Time: 2:00 PM

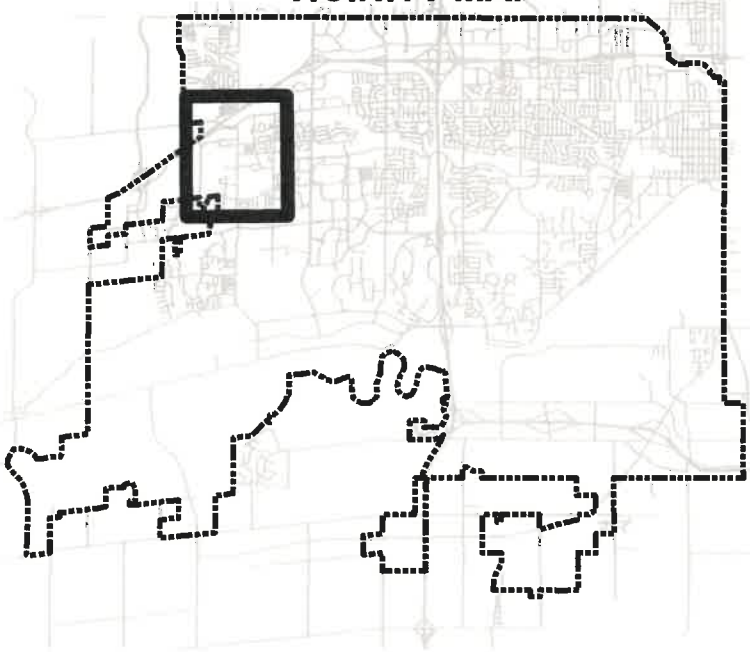
Name of Bidder				Absolute Concrete		Iowa Civil Contracting		Hawkeye Paving Corporation	
Address				1000 W. 6th Ave Slater, IA 50244		1106 3rd St Victor, IA 52347		4241 W. 83rd St Davenport, IA 52806	
Bid Bond				Yes		Yes		Yes	
Addendum #1				Yes		Yes		Yes	
Bidder Status Form				Yes		Yes		Yes	
Item No.	Item	Unit	Estimated Quantity	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
	SECTION 2010 - EARTHWORK, SUBGRADE, AND SUBBASE								
2.01	CLEARING AND GRUBBING	AC	5.5	$ 2,600.00	$ 14,300.00	$ 2,730.00	$ 15,015.00	$ 3,000.00	$ 16,500.00
2.02	TOPSOIL, ON-SITE	CY	5000	$ 6.00	$ 30,000.00	$ 10.08	$ 50,400.00	$ 6.00	$ 30,000.00
2.03	EXCAVATION, CLASS 10	CY	2140	$ 5.00	$ 10,700.00	$ 8.40	$ 17,976.00	$ 5.00	$ 10,700.00
2.04	EXCAVATION, CLASS 10 WASTE	CY	1350	$ 8.00	$ 10,800.00	$ 34.23	$ 46,210.50	$ 8.00	$ 10,800.00
2.05	EMBANKMENT IN PLACE - CONTRACTOR SUPPLY AND PLACE	CY	10505	$ 9.50	$ 99,797.50	$ 19.85	$ 208,524.25	$ 10.00	$ 105,050.00
2.06	BELOW GRADE EXCAVATION (CORE OUT)	CY	600	$ 2.00	$ 1,200.00	$ 10.50	$ 6,300.00	$ 2.00	$ 1,200.00
2.07	SUBGRADE PREPARATION	SY	13024	$ 2.50	$ 32,560.00	$ 4.20	$ 54,700.80	$ 3.00	$ 39,072.00
2.08	SUBGRADE TREATMENT, CEMENT	SY	3250	$ 7.00	$ 22,750.00	$ 9.45	$ 30,712.50	$ 8.00	$ 26,000.00
2.09	SUBBASE, GRANULAR SUBBASE, 4 IN.	SY	13024	$ 8.50	$ 110,704.00	$ 8.72	$ 113,569.28	$ 14.00	$ 182,336.00
2.10	REMOVAL OF KNOWN PIPE CULVERT	LF	120	$ 30.00	$ 3,600.00	$ 27.30	$ 3,276.00	$ 17.00	$ 2,040.00
	SECTION 3010 - TRENCH EXCAVATION AND BACKFILL								
3.01	TRENCH FOUNDATION	TON	300	$ 48.00	$ 14,400.00	$ 38.85	$ 11,655.00	$ 51.00	$ 15,300.00
3.02	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	300	$ 32.00	$ 9,600.00	$ 13.65	$ 4,095.00	$ 38.00	$ 11,400.00
	SECTION 4020 - STORM SEWERS								
4.01	STORM SEWER, TRENCHED, 2000D RCP, 15 IN DIA.	LF	873	$ 82.00	$ 71,586.00	$ 84.00	$ 73,332.00	$ 66.00	$ 57,618.00
4.02	STORM SEWER, TRENCHED, 2000D RCP, 18 IN DIA.	LF	264	$ 72.00	$ 19,008.00	$ 86.10	$ 22,730.40	$ 79.00	$ 20,856.00
4.03	STORM SEWER, TRENCHED, 2000D RCP, 24 IN DIA.	LF	187	$ 78.00	$ 14,586.00	$ 99.75	$ 18,653.25	$ 82.00	$ 15,334.00
4.04	STORM SEWER, TRENCHED, 2000D RCP, 30 IN DIA.	LF	426	$ 95.00	$ 40,470.00	$ 126.00	$ 53,676.00	$ 105.00	$ 44,730.00
4.05	STORM SEWER, TRENCHED, 2000D RCP, 36 IN DIA.	LF	125	$ 160.00	$ 20,000.00	$ 157.50	$ 19,687.50	$ 140.00	$ 17,500.00
4.06	STORM SEWER, TRENCHED, PVC, 36 IN DIA.	LF	60	$ 140.00	$ 8,400.00	$ 194.25	$ 11,655.00	$ 140.00	$ 8,400.00
4.07	REMOVAL OF STORM SEWER, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	55	$ 30.00	$ 1,650.00	$ 27.30	$ 1,501.50	$ 45.00	$ 2,475.00
	SECTION 4030 - PIPE CULVERTS								
4.08	PIPE APRON, RCP, 24 IN DIA.	EA	2	$ 900.00	$ 1,800.00	$ 777.00	$ 1,554.00	$ 2,200.00	$ 4,400.00
4.09	PIPE APRON, RCP, 36 IN DIA.	EA	1	$ 1,249.00	$ 1,249.00	$ 1,186.50	$ 1,186.50	$ 3,300.00	$ 3,300.00
4.10	FOOTING FOR CONCRETE PIPE APRON, RCP, 24 IN DIA.	EA	2	$ 675.00	$ 1,350.00	$ 708.75	$ 1,417.50	$ 800.00	$ 1,600.00
4.11	FOOTING FOR CONCRETE PIPE APRON, RCP, 36 IN DIA.	EA	1	$ 775.00	$ 775.00	$ 871.50	$ 871.50	$ 850.00	$ 850.00
4.12	PIPE APRON GUARD	EA	3	$ 700.00	$ 2,100.00	$ 871.50	$ 2,614.50	$ 1,250.00	$ 3,750.00
	SECTION 4040 - SUBDRAINS AND FOOTING DRAIN COLLECTORS								
4.13	SUBDRAIN, CASE C - TYPE 1, 6 IN. DIA.	LF	2948	$ 22.50	$ 66,330.00	$ 18.90	$ 55,717.20	$ 21.00	$ 61,908.00
4.14	SUBDRAIN CLEANOUT, TYPE A-1, 6 IN. DIA.	LF	11	$ 580.00	$ 6,380.00	$ 598.50	$ 6,583.50	$ 620.00	$ 6,820.00
4.15	SUBDRAIN OUTLETS AND CONNECTIONS, INTAKE OR MANHOLE, CMP, 8 IN. DIA.	EA	25	$ 350.00	$ 8,750.00	$ 273.00	$ 6,825.00	$ 500.00	$ 12,500.00
4.16	SUBDRAIN OUTLETS AND CONNECTIONS, STORM SEWER	EA	2	$ 430.00	$ 860.00	$ 462.00	$ 924.00	$ 1,250.00	$ 2,500.00
	SECTION 5010 - PIPE AND FITTINGS								
5.01	WATER MAIN, TRENCHED, PVC, 16 IN. DIA.	LF	875	$ 94.00	$ 82,250.00	$ 84.00	$ 73,500.00	$ 88.00	$ 77,000.00
5.02	FITTING, DUCTILE IRON MECHANICAL JOINT, 16 IN. DIA.	LB	588	$ 12.00	$ 7,056.00	$ 10.50	$ 6,174.00	$ 12.00	$ 7,056.00
	SECTION 5020 - VALVES, FIRE HYDRANTS, AND APPURTENANCES								
5.03	FIRE HYDRANT ASSEMBLY	EA	2	$ 6,000.00	$ 12,000.00	$ 6,300.00	$ 12,600.00	$ 7,000.00	$ 14,000.00
5.04	VALVE BOX EXTENSION	EA	3	$ 255.00	$ 765.00	$ 210.00	$ 630.00	$ 250.00	$ 750.00
5.05	VALVE BOX ADJUSTMENT	EA	4	$ 460.00	$ 1,840.00	$ 315.00	$ 1,260.00	$ 300.00	$ 1,200.00
5.06	FIRE HYDRANT ADJUSTMENT	EA	3	$ 1,165.00	$ 3,495.00	$ 3,990.00	$ 11,970.00	$ 1,700.00	$ 5,100.00
5.07	FIRE HYDRANT RELOCATION	EA	1	$ 3,600.00	$ 3,600.00	$ 10,500.00	$ 10,500.00	$ 2,000.00	$ 2,000.00
5.08	BLOWOFF FIRE HYDRANT ASSEMBLY REMOVAL	EA	1	$ 1,350.00	$ 1,350.00	$ 840.00	$ 840.00	$ 700.00	$ 700.00

Name of Bidder				Absolute Concrete		Iowa Civil Contracting		Hawkeye Paving Corporation	
	SECTION 6010 - STRUCTURES FOR SANITARY AND STORM SEWERS								
6.01	MANHOLE TYPE SW-401, 60 IN. DIA.	EA	1	$ 4,500.00	$ 4,500.00	$ 4,515.00	$ 4,515.00	$ 6,800.00	$ 6,800.00
6.02	MANHOLE TYPE SW-401, 72 IN. DIA.	EA	1	$ 6,025.00	$ 6,025.00	$ 6,615.00	$ 6,615.00	$ 11,000.00	$ 11,000.00
6.03	MANHOLE TYPE SW-402, 5 FT X 5 FT	EA	1	$ 4,455.00	$ 4,455.00	$ 4,725.00	$ 4,725.00	$ 9,400.00	$ 9,400.00
6.04	MANHOLE TYPE SW-402, 7 FT X 5 FT	EA	1	$ 6,350.00	$ 6,350.00	$ 5,250.00	$ 5,250.00	$ 11,000.00	$ 11,000.00
6.05	INTAKE TYPE SW-501	EA	11	$ 2,375.00	$ 26,125.00	$ 4,410.00	$ 48,510.00	$ 5,000.00	$ 55,000.00
6.06	INTAKE TYPE SW-503	EA	7	$ 3,395.00	$ 23,765.00	$ 5,722.50	$ 40,057.50	$ 8,100.00	$ 56,700.00
6.07	INTAKE TYPE SW-505	EA	3	$ 4,000.00	$ 12,000.00	$ 5,565.00	$ 16,695.00	$ 7,600.00	$ 22,800.00
6.08	INTAKE TYPE SW-506	EA	2	$ 6,795.00	$ 13,590.00	$ 7,560.00	$ 15,120.00	$ 11,200.00	$ 22,400.00
6.09	INTAKE TYPE SW-506 MODIFIED	EA	2	$ 7,095.00	$ 14,190.00	$ 8,610.00	$ 17,220.00	$ 13,100.00	$ 26,200.00
6.10	MANHOLE ADJUSTMENT, MAJOR	EA	1	$ 2,750.00	$ 2,750.00	$ 4,200.00	$ 4,200.00	$ 6,000.00	$ 6,000.00
6.11	CONNECTION TO EXISTING INTAKE	EA	1	$ 3,500.00	$ 3,500.00	$ 1,575.00	$ 1,575.00	$ 4,700.00	$ 4,700.00
6.12	REMOVE INTAKE	EA	2	$ 500.00	$ 1,000.00	$ 472.50	$ 945.00	$ 700.00	$ 1,400.00
	SECTION 7010 - PORTLAND CEMENT CONCRETE PAVEMENT								
7.01	PAVEMENT, PCC, 9 1/2 IN. REINFORCED	SY	11026	$ 75.00	$ 826,950.00	$ 72.52	$ 799,605.52	$ 90.00	$ 992,340.00
	SECTION 7030 - SIDEWALKS, SHARED USED PATHS, AND DRIVEWAYS								
7.02	REMOVAL OF SIDEWALK	SY	20	$ 15.00	$ 300.00	$ 42.00	$ 840.00	$ 25.00	$ 500.00
7.03	REMOVAL OF DRIVEWAY	SY	625	$ 10.00	$ 6,250.00	$ 15.75	$ 9,843.75	$ 14.00	$ 8,750.00
7.04	REMOVAL OF CURB	LF	12	$ 35.00	$ 420.00	$ 52.50	$ 630.00	$ 50.00	$ 600.00
7.05	SHARED USE PATH, PCC, 6 IN. REINFORCED	SY	849	$ 64.00	$ 54,336.00	$ 70.00	$ 59,430.00	$ 65.00	$ 55,185.00
7.06	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH	SY	1094	$ 1.75	$ 1,914.50	$ 8.40	$ 9,189.60	$ 3.00	$ 3,282.00
7.07	SIDEWALK, PCC, 4 IN.	SY	9	$ 57.00	$ 513.00	$ 100.00	$ 900.00	$ 120.00	$ 1,080.00
7.08	DETECTABLE WARNING	SF	20	$ 32.00	$ 640.00	$ 55.00	$ 1,100.00	$ 60.00	$ 1,200.00
7.09	DRIVEWAY, PAVED, PCC, 6 IN.	SY	1250	$ 66.00	$ 82,500.00	$ 72.40	$ 90,500.00	$ 74.00	$ 92,500.00
7.10	DRIVEWAY, PAVED, PCC, 6 IN. REINFORCED	SY	70	$ 69.00	$ 4,830.00	$ 77.40	$ 5,418.00	$ 90.00	$ 6,300.00
7.11	DRIVEWAY, GRANULAR	TON	45	$ 28.00	$ 1,260.00	$ 65.10	$ 2,929.50	$ 30.00	$ 1,350.00
7.12	GRANULAR SURFACING	TON	55	$ 28.00	$ 1,540.00	$ 65.10	$ 3,580.50	$ 30.00	$ 1,650.00
7.13	DRIVEWAY, GRANULAR (TEMPORARY ACCESS)	TON	600	$ 31.00	$ 18,600.00	$ 29.40	$ 17,640.00	$ 32.00	$ 19,200.00
	SECTION 7040 - PAVEMENT REHABILITATION								
7.14	PAVEMENT REMOVAL	SY	2428	$ 10.00	$ 24,280.00	$ 20.00	$ 48,560.00	$ 15.00	$ 36,420.00
	SECTION 8020 - PAVEMENT MARKINGS								
8.01	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	90.6	$ 55.00	$ 4,983.00	$ 84.00	$ 7,610.40	$ 55.00	$ 4,983.00
8.02	PAINTED SYMBOLS AND LEGENDS	EA	30	$ 90.00	$ 2,700.00	$ 131.25	$ 3,937.50	$ 90.00	$ 2,700.00
8.03	PAVEMENT MARKINGS REMOVED	STA	23.3	$ 60.00	$ 1,398.00	$ 105.00	$ 2,446.50	$ 60.00	$ 1,398.00
8.04	SYMBOLS AND LEGENDS REMOVED	EA	3	$ 100.00	$ 300.00	$ 105.00	$ 315.00	$ 100.00	$ 300.00
	SECTION 8030 - TEMPORARY TRAFFIC CONTROL								
8.05	TEMPORARY TRAFFIC CONTROL	LS	1	$ 75,000.00	$ 75,000.00	$ 38,325.00	$ 38,325.00	$ 150,000.00	$ 150,000.00
8.06	SAFETY FENCE	LF	800	$ 8.00	$ 6,400.00	$ 4.20	$ 3,360.00	$ 8.00	$ 6,400.00
8.07	CHANGEABLE MESSAGE SIGN	DAY	30	$ 150.00	$ 4,500.00	$ 157.50	$ 4,725.00	$ 150.00	$ 4,500.00
8.08	PERMANENT SIGNING	LS	1	$ 2,000.00	$ 2,000.00	$ 2,205.00	$ 2,205.00	$ 2,000.00	$ 2,000.00
8.09	PROJECT SIGN	EA	1	$ 1,200.00	$ 1,200.00	$ 2,047.50	$ 2,047.50	$ 1,200.00	$ 1,200.00
	SECTION 9010 - SEEDING								
9.01	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING - URBAN TEMP. EROSION CONTROL MIXTURE	AC	6.5	$ 1,000.00	$ 6,500.00	$ 1,312.50	$ 8,531.25	$ 2,500.00	$ 16,250.00
9.02	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING - RESCUE PLUS	AC	10.5	$ 2,750.00	$ 28,875.00	$ 4,252.50	$ 44,651.25	$ 1,250.00	$ 13,125.00
	SECTION 9040 - EROSION AND SEDIMENT CONTROL								
9.03	SWPPP PREPARATION	LS	1	$ 1,250.00	$ 1,250.00	$ 1,050.00	$ 1,050.00	$ 4,000.00	$ 4,000.00
9.04	SWPPP MANAGEMENT	LS	1	$ 4,000.00	$ 4,000.00	$ 3,675.00	$ 3,675.00	$ 3,000.00	$ 3,000.00
9.05	FILTER SOCK, 9 IN. DIA.	LF	4000	$ 2.25	$ 9,000.00	$ 2.63	$ 10,520.00	$ 2.50	$ 10,000.00
9.06	FILTER SOCK, REMOVAL	LF	4000	$ 0.50	$ 2,000.00	$ 0.37	$ 1,480.00	$ 0.10	$ 400.00
9.07	SILT FENCE OR SILT FENCE DITCH CHECK	LF	6000	$ 1.50	$ 9,000.00	$ 1.58	$ 9,480.00	$ 1.50	$ 9,000.00
9.08	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	LF	6000	$ 0.05	$ 300.00	$ 0.05	$ 300.00	$ 0.05	$ 300.00
9.09	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	6000	$ 0.05	$ 300.00	$ 0.05	$ 300.00	$ 0.05	$ 300.00
9.10	STABILIZED CONSTRUCTION ENTRANCE	TON	150	$ 33.00	$ 4,950.00	$ 52.50	$ 7,875.00	$ 50.00	$ 7,500.00
9.11	EROSION CONTROL MULCHING, HYDROMULCHING	AC	6.5	$ 1,750.00	$ 11,375.00	$ 1,575.00	$ 10,237.50	$ 1,500.00	$ 9,750.00
9.12	INLET PROTECTION DEVICE, DROP-IN INTAKE PROTECTION	EA	28	$ 175.00	$ 4,900.00	$ 168.00	$ 4,704.00	$ 160.00	$ 4,480.00
9.13	INLET PROTECTION DEVICE, MAINTENANCE	EA	28	$ 40.00	$ 1,120.00	$ 31.50	$ 882.00	$ 30.00	$ 840.00
9.14	STREET SWEEPING	EA	21	$ 450.00	$ 9,450.00	$ 100.00	$ 2,100.00	$ 350.00	$ 7,350.00
	SECTION 11010 - CONSTRUCTION SURVEY								
11.01	CONSTRUCTION SURVEY	LS	1	$ 30,000.00	$ 30,000.00	$ 23,100.00	$ 23,100.00	$ 22,000.00	$ 22,000.00
11.02	MONUMENT PRESERVATION AND REPLACEMENT	LS	1	$ 1,300.00	$ 1,300.00	$ 6,300.00	$ 6,300.00	$ 3,000.00	$ 3,000.00

Name of Bidder				Absolute Concrete		Iowa Civil Contracting		Hawkeye Paving Corporation	
	SECTION 11030 - TEMPORARY SERVICES DURING CONSTRUCTION								
11.03	MAINTENANCE OF POSTAL SERVICE	LS	1	$ 3,000.00	$ 3,000.00	$ 2,500.00	$ 2,500.00	$ 3,000.00	$ 3,000.00
11.04	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	$ 20,000.00	$ 20,000.00	$ 4,000.00	$ 4,000.00	$ 2,000.00	$ 2,000.00
11.05	REMOVE AND REPLACE MAILBOX	EA	5	$ 450.00	$ 2,250.00	$ 472.50	$ 2,362.50	$ 400.00	$ 2,000.00
	SECTION 11050 - CONCRETE WASHOUT								
11.06	CONCRETE WASHOUT	LS	1	$ 5,500.00	$ 5,500.00	$ 2,000.00	$ 2,000.00	$ 2,500.00	$ 2,500.00
	FIELD FENCE								
11.07	FIELD FENCE	LF	250	$ 20.50	$ 5,125.00	$ 21.14	$ 5,285.00	$ 20.00	$ 5,000.00
11.08	GATE	EA	1	$ 375.00	$ 375.00	$ 400.00	$ 400.00	$ 400.00	$ 400.00
			Total Bid		**$ 2,139,696.00**		**$ 2,391,137.45**		**$ 2,576,178.00**



VICINITY MAP



LEGEND

PROJECT LOCATION

N
W E
S

THE CITY OF WEST DES MOINES

PROJECT:

88th Street Reconstruction- Ashworth Rd to Abram Dr

LOCATION: **Exhibit "A"**

DRAWN BY: TKA	DATE: 7/20/2020	PROJECT NUMBER/NAME: 0510-039-2020	SHT. 1 of 1