

**CITY OF WAUKEE, IOWA
CITY COUNCIL MEETING COMMUNICATION**

MEETING DATE: August 16, 2021

AGENDA ITEM: Consideration of approval of a resolution awarding contract [Street Resurfacing Project, Ashworth Drive and Waco Place]

FORMAT: Resolution

SYNOPSIS INCLUDING PRO & CON: The Street Resurfacing Project, Ashworth Drive and Waco Place consists of an HMA overlay on Ashworth Drive, from 2nd Street to 4th Street, and HMA paving on Waco Place, from Ashworth Road to Wilson Street. Project items include subgrade preparation and treatment, curb and gutter replacement, ADA curb ramp construction, patching, granular shouldering/surfacing, traffic control, and seeding, fertilizing, and mulching.

The City received bids on August 10, 2021 with three (3) contractors submitting bids. Grimes Asphalt and Paving Corp. of Des Moines, IA, submitted the low bid in the amount of \$501,932.86 (Base Bid + Alt. B) and \$509,851.33 (Base Bid + Alt. A) which is approximately 4% and 6% under the engineer's estimate of \$524,007.28 and \$540,858.88 respectively. Alternate A consists of installing an asphalt fiber reinforcement fabric on Ashworth Dr between the milled surface of the existing concrete pavement and the new 2" asphalt overlay. Alternate B consists of performing a crack and seat on Ashworth Dr of the underlying concrete pavement before placing the new 2" asphalt overlay. Staff recommends proceeding forward with the asphalt fiber reinforcement fabric as the engineer and manufacturer have provided data which will stay the reflective cracking typically seen with a thin asphalt overlay on existing concrete pavement by several years.

This project is included in the FY 2022-2026 Capital Improvements Plan approved by City Council in March 2021 with a total project budget of \$700,000. This project has a substantial completion date of June 1, 2022.

FISCAL IMPACT INCLUDING COST/BENEFIT ANALYSIS: \$509,851.33

STAFF REVIEW AND COMMENT: Staff recommends awarding the project to Grimes Asphalt and Paving Corp. of Des Moines, IA for the Base Bid + Alt. A configuration in the amount of \$509,851.33.

RECOMMENDATION: Approve the resolution.

ATTACHMENTS:

- I. Letter of Recommendation
- II. Bid Tab
- III. Resolution

PREPARED BY: Beth Richardson

REVIEWED BY: Rudy Koester **RK**

RESOLUTION 2021-

RESOLUTION MAKING AWARD OF CONSTRUCTION
CONTRACT FOR THE WAUKEE STREET RESURFACING:
ASHWORTH DRIVE FROM 2ND TO 4TH STREET/WACO
PLACE FROM ASHWORTH ROAD TO WILSON STREET

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WAUKEE, STATE
OF IOWA:

Section 1. That the following bid for the construction of certain public improvements described in general as the Waukee Street Resurfacing: Ashworth Drive from 2nd to 4th Street/Waco Place from Ashworth Road to Wilson Street, described in the plans and specifications heretofore adopted by this Council on August 16, 2021, be and is hereby accepted, the same being the lowest responsive, responsible bid received for such work, as follows:

Contractor: Grimes Asphalt & Paving Corp. of Des Moines, IA

Amount of bid: \$509,851.33

Portion of project: All construction work

Section 2. That the Mayor and Clerk are hereby directed to execute the contract with the contractor for the construction of the public improvements, such contract not to be binding on the City until approved by this Council.

PASSED AND APPROVED this 16th day of August, 2021.

Mayor

ATTEST:

City Clerk



August 10, 2021

City of Waukee
Mr. Rudy Koester, Public Works Director
805 University Avenue
Waukee, IA 50263

RE: **Letter of Recommendation and Award**
2021 Asphalt Overlay Improvements
MEC Project No. 000210618-000

Dear Rudy,

McClure Engineering Company has reviewed the bids received August 10th, 2021, for the 2021 Asphalt Overlay Improvements, Waukee, Iowa project. The lowest, responsive, responsible Bidder on this project is Grimes Asphalt and Paving Corporation of Des Moines, IA.

We recommend the City Council of Waukee, Iowa, award the contract for 2021 Asphalt Overlay Improvements to the lowest responsive, responsible Bidder, Grimes Asphalt and Paving Corporation of Des Moines, IA for the BASE BID + Alternate A of Five Hundred Nine Thousand Eight Hundred Fifty-One Dollars and Thirty-Three Cents (\$509,851.33).

Sincerely,

McCLURE ENGINEERING COMPANY


Brian Sandberg, P.E.
Senior Project Engineer

Encl.: Bid Tabulation, 2021 Asphalt Overlay Improvements

cc: File




2021 Asphalt Overlay Improvements
City of Waukee, Iowa
8/10/2021



Line Item	Item Code	Item Description	UoFM	Quantity	Engineer Estimate		Grimes Asphalt and Paving Corp.		Des Moines Asphalt & Paving		InRoads LLC	
					Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
DIVISION 2 - EARTHWORK												
2.01	2010-D-1	TOPSOIL, ON-SITE	CY	48.4	\$ 30.00	\$ 1,452.00	\$ 65.00	\$ 3,146.00	\$ 63.00	\$ 3,049.20	\$ 77.00	\$ 3,726.80
2.02	2010-E	EXCAVATION, CLASS 10	CY	82.4	\$ 15.00	\$ 1,236.00	\$ 41.25	\$ 3,399.00	\$ 40.00	\$ 3,296.00	\$ 36.05	\$ 2,970.52
2.03	2010-G	SUBGRADE PREPARATION	SY	7413.2	\$ 2.00	\$ 14,826.40	\$ 3.10	\$ 22,980.92	\$ 3.35	\$ 24,834.22	\$ 3.80	\$ 28,170.16
2.04	2010-H	SUBGRADE TREATMENT, 6% CEMENT	TON	121.91	\$ 300.00	\$ 36,573.00	\$ 294.00	\$ 35,841.54	\$ 304.00	\$ 37,060.64	\$ 181.50	\$ 22,126.67
2.05	2010-J-2	REMOVAL OF PIPE CULVERT	LF	48	\$ 30.00	\$ 1,440.00	\$ 39.00	\$ 1,872.00	\$ 38.00	\$ 1,824.00	\$ 39.00	\$ 1,872.00
DIVISION 4 - SEWERS AND DRAINS												
4.01	4030-A-1	PIPE CULVERT, TRENCHED, 54 IN. RCP	LF	48	\$ 260.00	\$ 12,480.00	\$ 242.00	\$ 11,616.00	\$ 235.00	\$ 11,280.00	\$ 240.00	\$ 11,520.00
4.02	4030-B	PIPE APRON, 54 IN. RCP	EA	2	\$ 6,000.00	\$ 12,000.00	\$ 3,557.00	\$ 7,114.00	\$ 3,450.00	\$ 6,900.00	\$ 3,550.00	\$ 7,100.00
4.03	4030-C	FOOTINGS FOR CONCRETE PIPE APRON	EA	2	\$ 1,000.00	\$ 2,000.00	\$ 1,445.00	\$ 2,890.00	\$ 1,400.00	\$ 2,800.00	\$ 1,500.00	\$ 3,000.00
4.04	4030-D	PIPE APRON GUARDS	EA	2	\$ 750.00	\$ 1,500.00	\$ 2,300.00	\$ 4,600.00	\$ 2,200.00	\$ 4,400.00	\$ 2,270.00	\$ 4,540.00
DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS												
6.01	6010-E	MANHOLE ADJUSTMENT, MINOR	EA	8	\$ 1,500.00	\$ 12,000.00	\$ 2,050.00	\$ 16,400.00	\$ 2,560.00	\$ 20,480.00	\$ 2,200.00	\$ 17,600.00
DIVISION 7 - STREETS AND RELATED WORK												
7.01	7010-E	CURB AND GUTTER, 2.5 FT., 6 IN.	LF	224.7	\$ 62.50	\$ 14,043.75	\$ 49.50	\$ 11,122.65	\$ 66.00	\$ 14,830.20	\$ 38.00	\$ 8,538.60
7.02	7020-A	HMA PAVEMENT, ST PG 58-28S, BASE COURSE, 3/4" MIX	TON	1134.39	\$ 65.00	\$ 73,735.35	\$ 69.00	\$ 78,272.91	\$ 70.00	\$ 79,407.30	\$ 77.00	\$ 87,348.03
7.03	7020-A	HMA PAVEMENT, ST PG 58-28S, INTERMEDIATE COURSE, 1/2" MIX	TON	575.01	\$ 68.00	\$ 39,100.68	\$ 66.00	\$ 37,950.66	\$ 70.00	\$ 40,250.70	\$ 80.00	\$ 46,000.80
7.04	7020-A	HMA PAVEMENT, ST PG58-28S, SURFACE COURSE, 1/2" MIX	TON	575.01	\$ 70.00	\$ 40,250.70	\$ 66.00	\$ 37,950.66	\$ 71.60	\$ 41,170.72	\$ 80.00	\$ 46,000.80
7.05	7020-I	HMA PAVEMENT SAMPLES AND TESTING	LS	1	\$ 3,000.00	\$ 3,000.00	\$ 1,050.00	\$ 1,050.00	\$ 1,100.00	\$ 1,100.00	\$ 750.00	\$ 750.00
7.06	7021-A	HMA OVERLAY, ST PG58-28S	TON	564.73	\$ 70.00	\$ 39,531.10	\$ 72.00	\$ 40,660.56	\$ 75.80	\$ 42,806.53	\$ 80.00	\$ 45,178.40
7.07	7030-A	REMOVAL OF SIDEWALK	SY	177.9	\$ 15.00	\$ 2,668.50	\$ 24.50	\$ 4,358.55	\$ 20.00	\$ 3,558.00	\$ 26.00	\$ 4,625.40
7.08	7030-B	REMOVAL OF CURB	LF	182.9	\$ 20.00	\$ 3,658.00	\$ 16.00	\$ 2,926.40	\$ 14.50	\$ 2,652.05	\$ 31.00	\$ 5,669.90
7.09	7030-E	SIDEWALK, PCC, 4 IN.	SY	65.6	\$ 90.00	\$ 5,904.00	\$ 118.00	\$ 7,740.80	\$ 82.00	\$ 5,379.20	\$ 65.00	\$ 4,264.00
7.1	7030-E	SIDEWALK, PCC, 6 IN.	SY	130.4	\$ 95.00	\$ 12,388.00	\$ 94.00	\$ 12,257.60	\$ 94.00	\$ 12,257.60	\$ 86.00	\$ 11,214.40
7.11	7030-G	DETECTABLE WARNINGS	SF	155	\$ 50.00	\$ 7,750.00	\$ 57.00	\$ 8,835.00	\$ 65.00	\$ 10,075.00	\$ 40.00	\$ 6,200.00
7.12	7030-H-2	DRIVEWAY, GRANULAR	TON	40	\$ 50.00	\$ 2,000.00	\$ 33.00	\$ 1,320.00	\$ 27.80	\$ 1,112.00	\$ 55.00	\$ 2,200.00
7.13	7030-999-A	GRANULAR SHOULDERS, TYPE B	TON	347.36	\$ 40.00	\$ 13,894.40	\$ 33.00	\$ 11,462.88	\$ 28.75	\$ 9,986.60	\$ 46.00	\$ 15,978.56
7.14	7040-A	FULL DEPTH PATCH, HMA	SY	500	\$ 120.00	\$ 60,000.00	\$ 98.00	\$ 49,000.00	\$ 78.25	\$ 39,125.00	\$ 75.00	\$ 37,500.00
7.15	7040-B	SUBBASE OVER-EXCAVATION	TON	151.86	\$ 50.00	\$ 7,593.00	\$ 46.00	\$ 6,985.56	\$ 44.00	\$ 6,681.84	\$ 50.00	\$ 7,593.00
7.16	7040-G	MILLING	SY	5122.2	\$ 5.50	\$ 28,172.10	\$ 2.15	\$ 11,012.73	\$ 2.70	\$ 13,829.94	\$ 2.85	\$ 14,598.27
7.17	7040-H	PAVEMENT REMOVAL	SY	26.5	\$ 15.00	\$ 397.50	\$ 25.00	\$ 662.50	\$ 25.00	\$ 662.50	\$ 55.00	\$ 1,457.50
DIVISION 8 - TRAFFIC CONTROL												
8.01	8020-B	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	80.06	\$ 150.00	\$ 12,009.00	\$ 61.00	\$ 4,883.66	\$ 59.00	\$ 4,723.54	\$ 65.00	\$ 5,203.90
8.02	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	\$ 7,500.00	\$ 7,500.00	\$ 2,700.00	\$ 2,700.00	\$ 12,000.00	\$ 12,000.00	\$ 18,000.00	\$ 18,000.00
DIVISION 9 - SITE WORK AND LANDSCAPING												
9.01	9010-B	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	AC	0.1	\$ 15,000.00	\$ 1,500.00	\$ 41,250.00	\$ 4,125.00	\$ 18,000.00	\$ 1,800.00	\$ 42,000.00	\$ 4,200.00
9.02	9040-J	RIP RAP, CLASS E	TON	80	\$ 55.00	\$ 4,400.00	\$ 77.50	\$ 6,200.00	\$ 60.25	\$ 4,820.00	\$ 80.00	\$ 6,400.00
DIVISION 11 - MISCELLANEOUS												
11.01	11020-A	MOBILIZATION	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 26,500.00	\$ 26,500.00	\$ 50,000.00	\$ 50,000.00	\$ 48,000.00	\$ 48,000.00
TOTAL BASE BID						\$ 505,003.48		\$ 477,837.58		\$ 514,152.78		\$ 529,547.71
ALTERNATE A												
Alt. A 7.18	7021-999-A	ASPHALT REINFORCING FABRIC	SY	5122.2	\$ 7.00	\$ 35,855.40	\$ 6.25	\$ 32,013.75	\$ 6.70	\$ 34,318.74	\$ 6.00	\$ 30,733.20
TOTAL ALTERNATE A						\$ 35,855.40		\$ 32,013.75		\$ 34,318.74		\$ 30,733.20
ALTERNATE B												
Alt. B 7.19	7092-A	CRACK AND SEAT OF PCC PAVEMENT	SY	4242.9	\$ 2.00	\$ 8,485.80	\$ 3.20	\$ 13,577.28	\$ 3.25	\$ 13,789.43	\$ 2.60	\$ 11,031.54
Alt. B 7.20	7092-C	FULL DEPTH SAW CUT	LF	3506	\$ 3.00	\$ 10,518.00	\$ 3.00	\$ 10,518.00	\$ 2.75	\$ 9,641.50	\$ 3.30	\$ 11,569.80
TOTAL ALTERNATE B						\$ 19,003.80		\$ 24,095.28		\$ 23,430.93		\$ 22,601.34
TOTAL BASE BID + ALT. A						\$ 540,858.88		\$ 509,851.33		\$ 548,471.52		\$ 560,280.91
TOTAL BASE BID + ALT. B						\$ 524,007.28		\$ 501,932.86		\$ 537,583.71		\$ 552,149.05

I hereby Certify that this is a true and correct tabulation of the bids received August 10, 2021 for the 2021 Asphalt Improvements project in the City of Waukee, Iowa


Brian Sandberg, P.E.

License No. 21130 Exp. 12/31/2021

8/10/2021
Date