



STAFF REPORT

DATE: March 2, 2021

CONSENT

AGENDA ITEM: Accept Bids and Award Contract for the 2021 Mill and Overlay Project

SUBMITTED BY: Jack Griffin, City Engineer

REVIEWED BY: Kristina Handt, City Administrator
Marty Powers, Public Works Director
Cara Geheren, Project Engineer

ISSUE BEFORE COUNCIL: Should the City Council accept bids and award a contract for the 2021 Mill and Overlay Project?

BACKGROUND: Each year the City implements preventive maintenance work on the public streets consisting of minor reconstruction and subgrade correction, resurfacing, mill and overlays, crack sealing, seal coating, and patching. The annual Preventive Street Maintenance Program employs a cost-effective approach for street repairs to extend the life expectancy of the pavements. Streets selected for the Preventive Street Maintenance Program are determined by using a pavement management system where each street pavement in the City is assigned a condition rating based on visual inspection of the pavement distresses and observed deterioration. The number of streets selected each year is dependent upon the amount of funding available for the program. Streets that have exceeded their life expectancy and can no longer be effectively maintained are programed for reconstruction in the City's Capital Improvement Program.

For 2021, the following streets were identified for mill and overlay improvements:

- 50th Street North, from Lake Elmo Avenue to CSAH 15.
- 51st Street North, from Keats Avenue to westerly cul-de-sac.

In addition to the mill and overlay work, the project includes the reconstruction of the bituminous trail along 50th Street North, from CSAH 15 to the Tana Ridge subdivision. This work was included as an alternative bid package to allow the City to make a final decision on its inclusion once contractor pricing was obtained.

A "mill & overlay" is a street maintenance technique that requires the removal of the top pavement layer of the street by the grinding action of a large milling machine. After the top layer is removed, a new layer of bituminous pavement is placed. Prior to the mill and overlay, localized areas with significant distress and potential subgrade failure are corrected by completing a full depth patch (removal and replacement of the entire aggregate base and pavement layers). The mill and overlay will remove the surface distresses, improve ride quality, and will preserve the lower portion of the pavement. Cracks that extend the full depth of the pavement are likely to reflect into the new pavement within a short period of time.

PROPOSAL DETAILS/ANALYSIS: Bids were received, publicly opened, and read aloud on Thursday, February 18, 2021. A Tabulation of Bids and a letter of recommendation for the award of the Contract has been prepared and attached. The City received 10 bids for this project, with Asphalt Surface Technologies Corp providing the lowest base plus alternate bid in the amount of \$343,603.94. The Project was advertised

on QuestCDN.com and in the Stillwater Gazette in accordance with the Minnesota Competitive Bidding requirements.

FISCAL IMPACT: Approval of this resolution commits the City Council to enter into a construction contract for the project in the amount of \$343,603.94. The project will be funded through the 2021 street maintenance funds with a total budget of \$565,000.

RECOMMENDATION: Staff is recommending that the City Council approve, *as part of the Consent Agenda*, a resolution accepting bids and awarding a contract to Asphalt Surface Technologies Corp for the base bid plus alternates, in the amount of \$343,603.94 for the 2021 Mill and Overlay Project. If removed from the consent agenda, the recommended motion for the action is as follows:

“Move to approve Resolution No. 2021–025, accepting bids and awarding a contract to Asphalt Surface Technologies Corp for the base bid plus alternates, in the amount of \$343.603.94 for the 2021 Mill and Overlay Project.”

ATTACHMENTS:

1. Resolution Accepting Bids and Awarding a Contract.
2. Engineer’s Letter of Award Recommendation and Tabulation of Bids.
3. Project Location Map.
4. Project Schedule.

**CITY OF LAKE ELMO
WASHINGTON COUNTY
STATE OF MINNESOTA**

RESOLUTION NO. 2021-025

**A RESOLUTION ACCEPTING BIDS AND AWARDING A CONTRACT
FOR THE 2021 MILL AND OVERLAY PROJECT**

WHEREAS, pursuant to an advertisement for bids for the 2021 Mill and Overlay Project, bids were received, opened, and tabulated according to law, and bids were received complying with the advertisement; and

WHEREAS, bids were tabulated, checked and summarized to verify that all requirements of the submittal were met; and

WHEREAS, the project engineer reviewed the bids and has provided a letter recommending the award of the contract to the lowest responsible bidder, Asphalt Surface Technologies Corp, for the base bid plus alternate amount of \$343,603.94.

NOW, THEREFORE, IT IS HEREBY RESOLVED,

1. That the Mayor and City Clerk are hereby authorized and directed to enter into a Contract in the accordance with the above ordered Project, in the amount of the Contractor's lowest responsible Base Bid, and according to the plans and specifications thereof approved by the City Council.
2. The City Clerk is hereby authorized and directed to return forthwith to all bidders the deposits made with their bids, except that the deposits of the successful bidder and the next two lowest bidders shall be retained until a contract has been signed.

**ADOPTED BY THE LAKE ELMO CITY COUNCIL ON THE SECOND DAY OF MARCH
2021.**

CITY OF LAKE ELMO

By: _____
Charles Cadenhead
Mayor

(Seal)

ATTEST:

Julie Johnson
City Clerk

FOCUS ENGINEERING, inc.

Cara Geheren, P.E. 651.300.4261
Jack Griffin, P.E. 651.300.4264
Ryan Stempski, P.E. 651.300.4267
Chad Isakson, P.E. 651.300.4283

February 24, 2021

Honorable Mayor and City Council
City of Lake Elmo, Minnesota

2021 Mill and Overlay Project
City of Lake Elmo, Minnesota
Project No. 2021.110

Dear Mayor and City Council:

Bids for the 2021 Mill and Overlay Project were received on February 18, 2021 at 10:00 AM with the following results:

Bidder	Total Amount of Bid	Total Amount of Bid w/Add Alternates
<i>Minnesota Paving and Materials</i>	<i>\$263,725.87</i>	\$389,338.24
Park Construction	\$275,615.60	\$405,244.40
<i>Asphalt Surface Technologies Corp</i>	<i>\$278,330.82</i>	<i>\$343,603.94</i>
McNamara Contracting	\$284,367.50	\$419,701.90
Valley Paving	\$285,194.05	\$419,973.00
T.A. Schifsky & Sons, Inc.	\$288,735.50	\$405,903.50
Molnau Trucking	\$300,040.38	\$423,594.73
North Valley, Inc.	\$303,170.92	\$406,117.14
Northwest	\$318,172.45	\$397,332.20
Bituminous Roadways, Inc.	\$332,286.50	\$478,410.25
Engineer's Estimate	\$ 322,000.00	\$ 402,000.00

A complete Tabulation of Bids is enclosed for your information. We recommend that you award the Contract to the lowest responsible bidder, Asphalt Surface Technologies Corp., for their total base bid plus

alternates in the amount of \$343,603.94. The alternate bids include the reconstruction of the existing bituminous trails along 50th Street North. Please contact me with any questions you may have.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Griffin', written in a cursive style.

Jack Griffin, P.E.
City Engineer

Enclosure

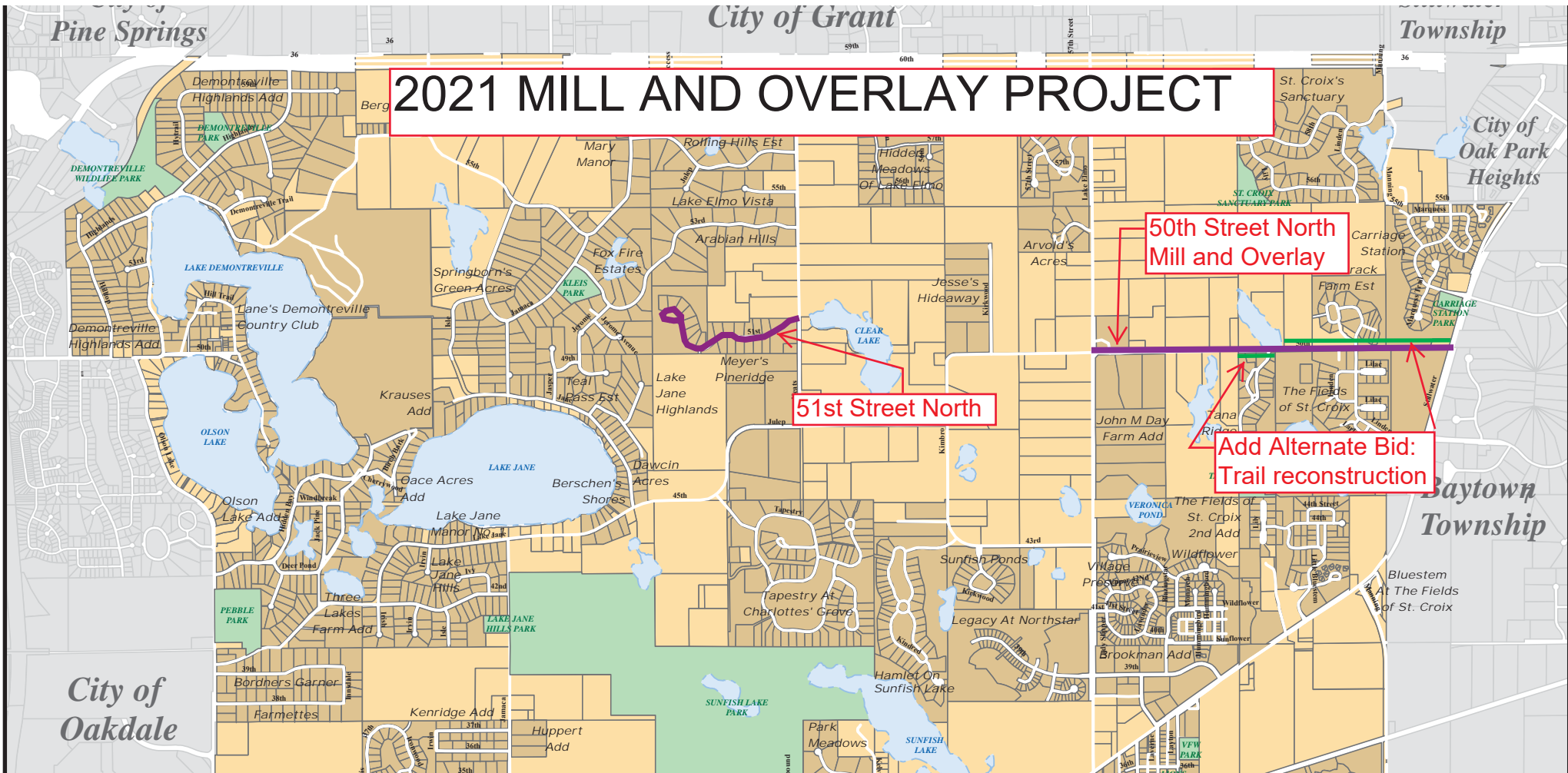
cc: Cara Geheren, Project Engineer

2021 LAKE ELMO MILL AND OVERLAY PROJECT (#7516524)
Owner: City of Lake Elmo, MN
Solicitor: FOCUS Engineering Inc
02/18/2021 10:00 AM CST

Line Item	Item Description	UofM	Quantity	Engineer Estimate		OMG Midwest Inc. dba Minnes		Park Construction Company		Asphalt Surface Technologies Cor		McNamara Contracting		Valley Paving, Inc	
2021 Mill and Overlay Project				Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
					\$321,681.50		\$263,725.87		\$275,615.60		\$278,330.82		\$284,367.50		\$285,194.05
1	MOBILIZATION	LS	1	\$15,500.00	\$15,500.00	\$13,000.00	\$13,000.00	\$31,800.00	\$31,800.00	\$23,000.00	\$23,000.00	\$15,000.00	\$15,000.00	\$22,650.00	\$22,650.00
2	TRAFFIC CONTROL	LS	1	\$8,100.00	\$8,100.00	\$7,000.00	\$7,000.00	\$2,530.00	\$2,530.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$1,700.00	\$1,700.00
3	BIOROLL DITCH CHECK	LF	100	\$3.00	\$300.00	\$2.01	\$201.00	\$3.55	\$355.00	\$3.50	\$350.00	\$4.00	\$400.00	\$5.00	\$500.00
4	SAWCUT PAVEMENT (ALL TYPES)	LF	306	\$3.00	\$918.00	\$1.00	\$306.00	\$3.50	\$1,071.00	\$4.00	\$1,224.00	\$4.00	\$1,224.00	\$0.01	\$3.06
5	MILL 1.5" OF EXIST. BITUMINOUS PAVEMENT	SY	26390	\$2.25	\$59,377.50	\$0.95	\$25,070.50	\$1.10	\$29,029.00	\$1.00	\$26,390.00	\$1.50	\$39,585.00	\$1.00	\$26,390.00
6	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT (DRIVEWAYS)	SY	20	\$8.00	\$160.00	\$19.87	\$397.40	\$27.90	\$558.00	\$10.00	\$200.00	\$65.00	\$1,300.00	\$20.00	\$400.00
7	REMOVE AND REPLACE CONCRETE FLUME	EA	1	\$1,000.00	\$1,000.00	\$1,551.03	\$1,551.03	\$1,360.00	\$1,360.00	\$1,210.00	\$1,210.00	\$5,500.00	\$5,500.00	\$850.00	\$850.00
8	CLEAN FLARED END SECTION / CONCRETE FLUME	EA	14	\$250.00	\$3,500.00	\$276.65	\$3,873.10	\$103.00	\$1,442.00	\$154.00	\$2,156.00	\$450.00	\$6,300.00	\$250.00	\$3,500.00
9	REMOVE & DISPOSE OF CONCRETE CURB (ALL TYPES)	LF	359	\$11.00	\$3,949.00	\$21.73	\$7,801.07	\$12.30	\$4,415.70	\$5.50	\$1,974.50	\$15.00	\$5,385.00	\$11.75	\$4,218.25
10	TYPE SP 9.5 BITUMINOUS WEARING COURSE (SPWEA330B)	TN	2480	\$65.00	\$161,200.00	\$64.50	\$159,960.00	\$63.60	\$157,728.00	\$61.62	\$152,817.60	\$60.00	\$148,800.00	\$66.98	\$166,110.40
11	BITUMINOUS MATERIAL FOR TACK COAT	GAL	1850	\$3.00	\$5,550.00	\$0.01	\$18.50	\$2.50	\$4,625.00	\$2.75	\$5,087.50	\$2.00	\$3,700.00	\$1.90	\$3,515.00
12	2360 BITUMINOUS WEAR COURSE, DRIVEWAYS	SY	20	\$60.00	\$1,200.00	\$49.35	\$987.00	\$55.20	\$1,104.00	\$25.00	\$500.00	\$100.00	\$2,000.00	\$46.00	\$920.00
13	CLASS 5 AGGREGATE SHOULDER STABILIZATION (100% CRUSHED LIMESTONE)	LF	120	\$30.00	\$3,600.00	\$10.30	\$1,236.00	\$13.60	\$1,632.00	\$12.10	\$1,452.00	\$22.00	\$2,640.00	\$15.85	\$1,902.00
14	CUT DOWN EXISTING STORM SEWER STRUCTURE	EA	2	\$1,000.00	\$2,000.00	\$1,504.75	\$3,009.50	\$715.00	\$1,430.00	\$2,548.80	\$5,097.60	\$2,000.00	\$4,000.00	\$1,500.00	\$3,000.00
15	ADJUST CASTING	EA	3	\$500.00	\$1,500.00	\$358.95	\$1,076.85	\$488.00	\$1,464.00	\$550.00	\$1,650.00	\$700.00	\$2,100.00	\$860.00	\$2,580.00
16	REMOVE AND REPLACE CASTING	EA	3	\$1,200.00	\$3,600.00	\$785.03	\$2,355.09	\$985.00	\$2,955.00	\$918.00	\$2,754.00	\$1,200.00	\$3,600.00	\$1,350.00	\$4,050.00
17	REPAIR STORM STRUCTURE INTERIOR	EA	18	\$500.00	\$9,000.00	\$344.89	\$6,208.02	\$128.00	\$2,304.00	\$696.60	\$12,538.80	\$500.00	\$9,000.00	\$450.00	\$8,100.00
18	ADJUST VALVEBOX	EA	3	\$400.00	\$1,200.00	\$215.61	\$646.83	\$49.30	\$147.90	\$450.00	\$1,350.00	\$600.00	\$1,800.00	\$550.00	\$1,650.00
19	REMOVE AND REPLACE VALVE BOX TOP SECTION	EA	1	\$500.00	\$500.00	\$400.00	\$400.00	\$551.00	\$551.00	\$500.00	\$500.00	\$600.00	\$600.00	\$760.00	\$760.00
20	CONCRETE CURB AND GUTTER (ALL TYPES)	LF	359	\$45.00	\$16,155.00	\$32.60	\$11,703.40	\$40.20	\$14,431.80	\$35.48	\$12,737.32	\$30.00	\$10,770.00	\$36.16	\$12,981.44
21	REMOVE AND REPLACE FES TRASH GUARD	EA	1	\$500.00	\$500.00	\$597.68	\$597.68	\$472.00	\$472.00	\$2,106.00	\$2,106.00	\$850.00	\$850.00	\$2,000.00	\$2,000.00
22	8" METAL FLARED END SECTION	EA	1	\$500.00	\$500.00	\$573.68	\$573.68	\$176.00	\$176.00	\$1,917.00	\$1,917.00	\$350.00	\$350.00	\$925.00	\$925.00
23	CLASS 3 RIP RAP W/GEOTEXTILE FABRIC	CY	74	\$100.00	\$7,400.00	\$142.20	\$10,522.80	\$119.00	\$8,806.00	\$115.00	\$8,510.00	\$140.00	\$10,360.00	\$150.00	\$11,100.00
24	IMPORT AND PLACE TOPSOIL (LV)	CY	20	\$45.00	\$900.00	\$77.04	\$1,540.80	\$50.50	\$1,010.00	\$40.00	\$800.00	\$100.00	\$2,000.00	\$58.50	\$1,170.00
25	SEEDING, FERTILIZER, AND WOOD FIBER BLANKET	SY	200	\$7.00	\$1,400.00	\$2.01	\$402.00	\$2.80	\$560.00	\$5.00	\$1,000.00	\$3.00	\$600.00	\$2.08	\$416.00
26	4" EPOXY YELLOW STRIPING (STYLE VARIES)	LF	10190	\$0.40	\$4,076.00	\$0.22	\$2,241.80	\$0.22	\$2,241.80	\$0.25	\$2,547.50	\$0.25	\$2,547.50	\$0.23	\$2,343.70
27	4" EPOXY WHITE STRIPING	LF	240	\$0.40	\$96.00	\$0.22	\$52.80	\$0.22	\$52.80	\$0.25	\$60.00	\$0.25	\$60.00	\$0.23	\$55.20
28	24" EPOXY WHITE STRIPING - STOP BAR	EA	2	\$500.00	\$1,000.00	\$75.24	\$150.48	\$75.80	\$151.60	\$82.50	\$165.00	\$78.00	\$156.00	\$78.00	\$156.00
29	PAVEMENT MESSAGE (GROUND IN) - TURN ARROW	EA	2	\$500.00	\$1,000.00	\$401.27	\$802.54	\$404.00	\$808.00	\$440.00	\$880.00	\$410.00	\$820.00	\$416.00	\$832.00
30	REMOVE AND REPLACE PVC INDUCTION LOOP DETECTORS	EA	4	\$1,625.00	\$6,500.00	\$10.00	\$40.00	\$101.00	\$404.00	\$1,089.00	\$4,356.00	\$105.00	\$420.00	\$104.00	\$416.00
Alternate 1: Reconstruct Trail on North Side of 50th					\$65,956.00		\$105,532.07		\$104,630.60		\$55,205.48		\$106,356.00		\$114,360.75
1-Jan	REMOVE AND DISPOSE OF EXIST. BITUMINOUS PAVEMENT	SY	2650	\$3.00	\$7,950.00	\$2.89	\$7,658.50	\$2.40	\$6,360.00	\$2.64	\$6,996.00	\$3.00	\$7,950.00	\$4.66	\$12,349.00
2-Jan	COMMON EXCAVATION (CV) (P)	CY	993	\$3.00	\$2,979.00	\$44.99	\$44,675.07	\$29.20	\$28,995.60	\$19.36	\$19,224.48	\$42.00	\$41,706.00	\$37.75	\$37,485.75
3-Jan	CONCRETE PEDESTRIAN RAMP	SF	100	\$10.20	\$1,020.00	\$35.11	\$3,511.00	\$32.90	\$3,290.00	\$27.50	\$2,750.00	\$37.00	\$3,700.00	\$14.56	\$1,456.00
4-Jan	BITUMINOUS TRAIL	SY	2650	\$20.38	\$54,007.00	\$18.75	\$49,687.50	\$24.90	\$65,985.00	\$9.90	\$26,235.00	\$20.00	\$53,000.00	\$23.80	\$63,070.00
Alternate 2 - Reconstruct Trail on South Side of 50th					\$13,153.60		\$20,080.30		\$24,998.20		\$10,067.64		\$28,978.40		\$20,418.20
1-Feb	REMOVE AND DISPOSE OF EXIST. BITUMINOUS PAVEMENT	SY	440	\$3.00	\$1,320.00	\$2.89	\$1,271.60	\$12.70	\$5,588.00	\$2.64	\$1,161.60	\$5.50	\$2,420.00	\$5.59	\$2,459.60
2-Feb	COMMON EXCAVATION (CV) (P)	CY	164	\$13.00	\$2,132.00	\$46.30	\$7,593.20	\$29.80	\$4,887.20	\$19.36	\$3,175.04	\$75.00	\$12,300.00	\$37.75	\$6,191.00
3-Feb	CONCRETE PEDESTRIAN RAMP	SF	50	\$10.20	\$510.00	\$35.11	\$1,755.50	\$37.90	\$1,895.00	\$27.50	\$1,375.00	\$40.00	\$2,000.00	\$14.56	\$728.00
4-Feb	BITUMINOUS TRAIL	SY	440	\$20.89	\$9,191.60	\$21.50	\$9,460.00	\$28.70	\$12,628.00	\$9.90	\$4,356.00	\$27.86	\$12,258.40	\$25.09	\$11,039.60
Base Bid Total:					\$321,681.50		\$263,725.87		\$275,615.60		\$278,330.82		\$284,367.50		\$285,194.05
Total Bid With Alternates:					\$400,791.10		\$389,338.24		\$405,244.40		\$343,603.94		\$419,701.90		\$419,973.00

2021 LAKE ELMO MILL AND OVERLAY PROJECT (#7516524)
Owner: City of Lake Elmo, MN
Solicitor: FOCUS Engineering Inc
02/18/2021 10:00 AM CST

Line Item	Item Description	UofM	Quantity	Engineer Estimate		T. A. Schifsky & Sons, Inc		Molnau trucking llc		North Valley, Inc.		Northwest		Bituminous Roadways Inc.	
2021 Mill and Overlay Project				Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
					\$321,681.50		\$288,735.50		\$300,040.38		\$303,170.92		\$318,172.45		\$332,286.50
1	MOBILIZATION	LS	1	\$15,500.00	\$15,500.00	\$19,000.00	\$19,000.00	\$18,975.00	\$18,975.00	\$6,424.27	\$6,424.27	\$38,050.25	\$38,050.25	\$22,553.00	\$22,553.00
2	TRAFFIC CONTROL	LS	1	\$8,100.00	\$8,100.00	\$19,000.00	\$19,000.00	\$2,875.00	\$2,875.00	\$2,569.71	\$2,569.71	\$6,500.00	\$6,500.00	\$6,563.00	\$6,563.00
3	BIOROLL DITCH CHECK	LF	100	\$3.00	\$300.00	\$5.00	\$500.00	\$4.60	\$460.00	\$4.28	\$428.00	\$4.50	\$450.00	\$2.10	\$210.00
4	SAWCUT PAVEMENT (ALL TYPES)	LF	306	\$3.00	\$918.00	\$1.00	\$306.00	\$3.45	\$1,057.70	\$4.55	\$1,392.30	\$4.00	\$1,224.00	\$3.70	\$1,132.20
5	MILL 1.5" OF EXIST. BITUMINOUS PAVEMENT	SY	26390	\$2.25	\$59,377.50	\$2.90	\$76,531.00	\$1.05	\$27,709.50	\$1.38	\$36,418.20	\$0.98	\$25,862.20	\$1.90	\$50,141.00
6	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT (DRIVEWAYS)	SY	20	\$8.00	\$160.00	\$10.00	\$200.00	\$11.50	\$230.00	\$32.38	\$647.60	\$10.00	\$200.00	\$16.00	\$320.00
7	REMOVE AND REPLACE CONCRETE FLUME	EA	1	\$1,000.00	\$1,000.00	\$1,750.00	\$1,750.00	\$920.00	\$920.00	\$1,512.97	\$1,512.97	\$1,750.00	\$1,750.00	\$1,747.00	\$1,747.00
8	CLEAN FLARED END SECTION / CONCRETE FLUME	EA	14	\$250.00	\$3,500.00	\$800.00	\$11,200.00	\$115.00	\$1,610.00	\$1,669.77	\$23,376.78	\$685.00	\$9,590.00	\$1,088.00	\$15,232.00
9	REMOVE & DISPOSE OF CONCRETE CURB (ALL TYPES)	LF	359	\$11.00	\$3,949.00	\$9.00	\$3,231.00	\$7.48	\$2,685.32	\$8.49	\$3,047.91	\$14.00	\$5,026.00	\$7.20	\$2,584.80
10	TYPE SP 9.5 BITUMINOUS WEARING COURSE (SPWEA330B)	TN	2480	\$65.00	\$161,200.00	\$45.00	\$111,600.00	\$69.91	\$173,376.80	\$65.45	\$162,316.00	\$68.20	\$169,136.00	\$67.00	\$166,160.00
11	BITUMINOUS MATERIAL FOR TACK COAT	GAL	1850	\$3.00	\$5,550.00	\$0.01	\$18.50	\$4.03	\$7,455.50	\$3.21	\$5,938.50	\$4.50	\$8,325.00	\$3.70	\$6,845.00
12	2360 BITUMINOUS WEAR COURSE, DRIVEWAYS	SY	20	\$60.00	\$1,200.00	\$25.00	\$500.00	\$27.65	\$553.00	\$91.01	\$1,820.20	\$32.00	\$640.00	\$20.50	\$410.00
13	CLASS 5 AGGREGATE SHOULDER STABILIZATION (100% CRUSHED LIMESTONE)	LF	120	\$30.00	\$3,600.00	\$10.00	\$1,200.00	\$92.95	\$11,154.00	\$5.80	\$696.00	\$32.50	\$3,900.00	\$39.00	\$4,680.00
14	CUT DOWN EXISTING STORM SEWER STRUCTURE	EA	2	\$1,000.00	\$2,000.00	\$900.00	\$1,800.00	\$230.00	\$460.00	\$2,003.72	\$4,007.44	\$1,500.00	\$3,000.00	\$1,934.00	\$3,868.00
15	ADJUST CASTING	EA	3	\$500.00	\$1,500.00	\$450.00	\$1,350.00	\$239.97	\$719.91	\$389.62	\$1,168.86	\$565.00	\$1,695.00	\$641.00	\$1,923.00
16	REMOVE AND REPLACE CASTING	EA	3	\$1,200.00	\$3,600.00	\$850.00	\$2,550.00	\$921.80	\$2,765.40	\$723.57	\$2,170.71	\$425.00	\$1,275.00	\$762.00	\$2,286.00
17	REPAIR STORM STRUCTURE INTERIOR	EA	18	\$500.00	\$9,000.00	\$350.00	\$6,300.00	\$675.98	\$12,167.64	\$528.76	\$9,517.68	\$510.00	\$9,180.00	\$397.00	\$7,146.00
18	ADJUST VALVEBOX	EA	3	\$400.00	\$1,200.00	\$300.00	\$900.00	\$239.97	\$719.91	\$278.30	\$834.90	\$495.00	\$1,485.00	\$216.00	\$648.00
19	REMOVE AND REPLACE VALVE BOX TOP SECTION	EA	1	\$500.00	\$500.00	\$400.00	\$400.00	\$430.17	\$430.17	\$500.93	\$500.93	\$535.00	\$535.00	\$259.00	\$259.00
20	CONCRETE CURB AND GUTTER (ALL TYPES)	LF	359	\$45.00	\$16,155.00	\$35.00	\$12,565.00	\$37.09	\$13,315.31	\$37.09	\$13,315.31	\$33.50	\$12,026.50	\$52.00	\$18,668.00
21	REMOVE AND REPLACE FES TRASH GUARD	EA	1	\$500.00	\$500.00	\$975.00	\$975.00	\$575.00	\$575.00	\$834.89	\$834.89	\$675.00	\$675.00	\$1,087.00	\$1,087.00
22	8" METAL FLARED END SECTION	EA	1	\$500.00	\$500.00	\$1,200.00	\$1,200.00	\$2,875.00	\$2,875.00	\$278.30	\$278.30	\$210.00	\$210.00	\$861.00	\$861.00
23	CLASS 3 RIP RAP W/GEOTEXTILE FABRIC	CY	74	\$100.00	\$7,400.00	\$95.00	\$7,030.00	\$86.03	\$6,366.22	\$105.75	\$7,825.50	\$110.00	\$8,140.00	\$136.00	\$10,064.00
24	IMPORT AND PLACE TOPSOIL (LV)	CY	20	\$45.00	\$900.00	\$75.00	\$1,500.00	\$59.00	\$1,180.00	\$73.31	\$1,466.20	\$36.00	\$720.00	\$57.50	\$1,150.00
25	SEEDING, FERTILIZER, AND WOOD FIBER BLANKET	SY	200	\$7.00	\$1,400.00	\$12.00	\$2,400.00	\$5.53	\$1,106.00	\$12.85	\$2,570.00	\$12.00	\$2,400.00	\$2.10	\$420.00
26	4" EPOXY YELLOW STRIPING (STYLE VARIES)	LF	10190	\$0.40	\$4,076.00	\$0.30	\$3,057.00	\$0.25	\$2,547.50	\$0.34	\$3,464.60	\$0.25	\$2,547.50	\$0.25	\$2,547.50
27	4" EPOXY WHITE STRIPING	LF	240	\$0.40	\$96.00	\$0.30	\$72.00	\$0.25	\$60.00	\$0.34	\$81.60	\$0.25	\$60.00	\$0.25	\$60.00
28	24" EPOXY WHITE STRIPING - STOP BAR	EA	2	\$500.00	\$1,000.00	\$100.00	\$200.00	\$86.25	\$172.50	\$117.43	\$234.86	\$75.00	\$150.00	\$80.50	\$161.00
29	PAVEMENT MESSAGE (GROUND IN) - TURN ARROW	EA	2	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$460.00	\$920.00	\$626.29	\$1,252.58	\$410.00	\$820.00	\$428.00	\$856.00
30	REMOVE AND REPLACE PVC INDUCTION LOOP DETECTORS	EA	4	\$1,625.00	\$6,500.00	\$100.00	\$400.00	\$1,150.00	\$4,600.00	\$1,764.53	\$7,058.12	\$650.00	\$2,600.00	\$426.00	\$1,704.00
Alternate 1: Reconstruct Trail on North Side of 50th					\$65,956.00		\$99,522.00		\$103,569.85		\$84,720.36		\$63,218.55		\$119,751.75
1-Jan	REMOVE AND DISPOSE OF EXIST. BITUMINOUS PAVEMENT	SY	2650	\$3.00	\$7,950.00	\$2.00	\$5,300.00	\$4.03	\$10,679.50	\$4.04	\$10,706.00	\$2.00	\$5,300.00	\$12.50	\$33,125.00
2-Jan	COMMON EXCAVATION (CV) (P)	CY	993	\$3.00	\$2,979.00	\$54.00	\$53,622.00	\$28.95	\$28,747.35	\$17.52	\$17,397.36	\$22.35	\$22,193.55	\$24.75	\$24,576.75
3-Jan	CONCRETE PEDESTRIAN RAMP	SF	100	\$10.20	\$1,020.00	\$35.00	\$3,500.00	\$28.75	\$2,875.00	\$28.75	\$2,875.00	\$26.00	\$2,600.00	\$37.50	\$3,750.00
4-Jan	BITUMINOUS TRAIL	SY	2650	\$20.38	\$54,007.00	\$14.00	\$37,100.00	\$23.12	\$61,268.00	\$20.28	\$53,742.00	\$12.50	\$33,125.00	\$22.00	\$58,300.00
Alternate 2 - Reconstruct Trail on South Side of 50th					\$13,153.60		\$17,646.00		\$19,984.50		\$18,225.86		\$15,941.20		\$26,372.00
1-Feb	REMOVE AND DISPOSE OF EXIST. BITUMINOUS PAVEMENT	SY	440	\$3.00	\$1,320.00	\$2.00	\$880.00	\$4.03	\$1,773.20	\$3.93	\$1,729.20	\$4.00	\$1,760.00	\$20.50	\$9,020.00
2-Feb	COMMON EXCAVATION (CV) (P)	CY	164	\$13.00	\$2,132.00	\$54.00	\$8,856.00	\$40.25	\$6,601.00	\$28.99	\$4,754.36	\$29.50	\$4,838.00	\$35.50	\$5,822.00
3-Feb	CONCRETE PEDESTRIAN RAMP	SF	50	\$10.20	\$510.00	\$35.00	\$1,750.00	\$28.75	\$1,437.50	\$28.75	\$1,437.50	\$26.00	\$1,300.00	\$37.00	\$1,850.00
4-Feb	BITUMINOUS TRAIL	SY	440	\$20.89	\$9,191.60	\$14.00	\$6,160.00	\$23.12	\$10,172.80	\$23.42	\$10,304.80	\$18.28	\$8,043.20	\$22.00	\$9,680.00
Base Bid Total:					\$321,681.50		\$288,735.50		\$300,040.38		\$303,170.92		\$318,172.45		\$332,286.50
Total Bid With Alternates:					\$400,791.10		\$405,903.73		\$423,594.73		\$407,332.20		\$397,332.20		\$478,410.25



PROJECT SCHEDULE
CITY OF LAKE ELMO

2021 MILL AND OVERLAY PROJECT
PROJECT NO. 2021.110

FOCUS ENGINEERING, inc.

Cara Geheren, P.E. 651.300.4261
Jack Griffin, P.E. 651.300.4264
Ryan Stempksi, P.E. 651.300.4267
Chad Isakson, P.E. 651.300.4283

January 19, 2021	Placement of Advertisement for Bids. <ul style="list-style-type: none">– Stillwater Gazette. Publication on January 22– Quest CDN. Publication on January 22
February 18, 2021	Receive Contractor bids.
March 2, 2021	Council accepts bids and awards Contract.
March/April, 2021	Conduct Pre-construction meeting and Issue Notice to Proceed.
June 30, 2021	Substantial Completion of Work; including paving and restoration.
July 21, 2021	Final Completion of Work; including punchlist and final documentation.