



STAFF REPORT

DATE: April 16, 2019

CONSENT

AGENDA ITEM: 2019 Mill and Overlay Project – Accept Bids and Award Contract

SUBMITTED BY: Jack Griffin, City Engineer

REVIEWED BY: Kristina Handt, City Administrator
Amanda Groh, Project Engineer

ISSUE BEFORE COUNCIL: Should the City Council accept bids and award a contract for the 2019 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 programmed for reconstruction in the City's Capital Improvement Program.

For 2019, the following streets were identified for mill and overlay improvements:

- Lake Jane Trail from Ideal Avenue to 42nd Street, including a watermain stub with a hydrant at Pebble Park for future park improvements and to provide fire enhanced fire protection and flushing capabilities.
- Lake Jane Trail from Jamaca Avenue to Jane Road.
- 47th Street from Keats Avenue to Kimbro Avenue.
- Wildflower Shores neighborhood, including
 - Iris Avenue from CSAH-14 to 37th Street, including 450 feet of full depth patching.
 - 37th Street N from Iris Avenue N to Ironwood Trail N.
 - Ironwood Trail from 35th Street to 37th Street, including 65 feet of full depth patching.
 - 35th Street from Iris Avenue to Ironwood Trail, including 785 feet of full depth patching.

No Mill and Overlay project was performed in 2018. All bids were rejected at the August 21, 2018 council meeting after receiving bids that were higher than projected. The Wildflower Shores neighborhood was then incorporated into the 2019 Mill and Overlay project from the 2018 Mill and Overlay project.

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, March 21, 2019. A Tabulation of Bids and a letter of recommendation for the award of the Contract has been prepared and attached. The City received 6 bids for this project, with T.A. Shifsky & Sons, Inc. providing the lowest bid in the amount of \$665,293.05. This includes a base bid amount of \$652,121.05 for the street and storm sewer portion of the work and a base bid amount of \$13,172 for the watermain and hydrant installation near Pebble Park. The watermain portion of the work was incorporated by Public Works to address a deficiency in the hydrant spacing along Lake Jane Trail. Without the new hydrant, the spacing between hydrants is almost 2,000 feet, exceeding the City hydrant spacing standard of 500 feet. The hydrant will provide enhanced fire protection and added maintenance capabilities for flushing and will extend the watermain to the boulevard so that the street does not need to be excavated should water service ever be extended to Pebble Park.

The City Engineer is recommending that the City Council award the Contract to the lowest responsible bidder, T.A. Shifsky & Sons, Inc. as outlined in the attached letter. The Project was advertised on QuestCDN.com and in the Oakdale-Lake Elmo Review 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 with a construction contract amount of \$665,293.05. The project will be funded through the 2019 street maintenance budget in an estimated total project cost of \$730,000 and \$13,152 to be paid through the watermain fund.

OPTIONS:

1. Award the construction contract as recommended by the City Engineer.
2. Award the Mill and Overlay project costs as recommended by the City Engineer but do not award the watermain extension and hydrant work near Pebble Park.
3. Reject all bids.

RECOMMENDATION: Staff is recommending that the City Council approve, *as part of the Consent Agenda*, a resolution accepting bids and awarding a contract to T.A. Shifsky & Sons, Inc. in the amount of \$665,293.05 for the 2019 Mill and Overlay Project. If removed from the consent agenda, the recommended motion for the action is as follows:

“Move to approve Resolution No. 2019–029, accepting bids and awarding a contract to T.A. Shifsky & Sons, Inc., in the amount of \$655,293.05 for the 2019 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. 2019-029

**A RESOLUTION ACCEPTING BIDS AND AWARDING A CONTRACT
FOR THE 2019 MILL AND OVERLAY PROJECT**

WHEREAS, pursuant to an advertisement for bids for the 2019 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, T.A. Shifsky & Sons, Inc., for the amount of \$665,293.05.

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 SIXTEENTH DAY OF
APRIL 2019.**

CITY OF LAKE ELMO

By: _____
Mike Pearson
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

April 4, 2019

Honorable Mayor and City Council
City of Lake Elmo, Minnesota

2019 Mill and Overlay Project
City of Lake Elmo, Minnesota
Project No. 2018.132

Dear Mayor and City Council:

Bids for the 2019 Mill and Overlay Project were received on March 21, 2019 at 3:00 PM with the following results:

Contractor	Base Bid
T.A. Shifsky & Sons, Inc.	\$665,293.05
Hardrives, Inc.	\$665,351.85
Park Construction	\$689,734.35
McNamara Contracting	\$713,893.75
Bituminous Roadways, Inc.	\$746,606.00
North Valley, Inc.	\$748,866.87
Engineer's Estimate	\$711,065.00

A complete Tabulation of Bids is enclosed for your information.

We recommend that you award the Contract to the lowest responsible bidder, T.A. Shifsky & Sons, Inc. for their total bid of \$665,293.05. This includes a base bid amount of \$652,121.05 for the street and storm sewer portion of the work and a base bid amount of \$13,172 for the watermain and hydrant installation near Pebble Park.

Please contact me with any questions you may have.

Sincerely,



Amanda E. Groh, P.E.
Project Engineer

Enclosure

cc: Jack Griffin, City Engineer

TABULATION OF BIDS

2019 MILL AND OVERLAY PROJECT
LAKE ELMO, MN
PROJECT NO. 2018.132



BIDS OPENED: MARCH 21, 2019 3:00PM

ITEM

ITEM NO.	ITEM	UNIT	QUANTITY	Engineer's Estimate		Bituminous Roadways, Inc.		Hardrives, Inc.		McNamara Contracting		North Valley, Inc.	
				Unit Price	Total Amount	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
Schedule A - Street and Storm Sewer													
1	MOBILIZATION	LS	1.00	\$ 33,800.00	\$ 33,800.00	\$ 24,291.00	\$ 24,291.00	\$30,000.00	\$ 30,000.00	\$ 21,000.00	\$ 21,000.00	\$ 16,054.75	\$ 16,054.75
2	TRAFFIC CONTROL	LS	1.00	\$ 17,400.00	\$ 17,400.00	\$ 7,404.00	\$ 7,404.00	\$25,000.00	\$ 25,000.00	\$ 3,500.00	\$ 3,500.00	\$ 2,622.28	\$ 2,622.28
3	INLET PROTECTION	EA	19.00	\$ 200.00	\$ 3,800.00	\$ 165.00	\$ 3,135.00	\$130.00	\$ 2,470.00	\$ 210.00	\$ 3,990.00	\$ 133.79	\$ 2,542.01
4	BIOROLL DITCH CHECK	EA	21.00	\$ 200.00	\$ 4,200.00	\$ 82.50	\$ 1,732.50	\$110.00	\$ 2,310.00	\$ 120.00	\$ 2,520.00	\$ 267.58	\$ 5,619.18
5	SAWCUT PAVEMENT (ALL TYPES)	LF	84.00	\$ 2.50	\$ 210.00	\$ 5.00	\$ 420.00	\$6.80	\$ 571.20	\$ 6.50	\$ 546.00	\$ 6.94	\$ 582.96
6	MILL 1.5" EXIST. BITUMINOUS PAVEMENT	SY	27,070.00	\$ 2.25	\$ 60,907.50	\$ 0.95	\$ 25,716.50	\$2.05	\$ 55,493.50	\$ 1.40	\$ 37,898.00	\$ 1.63	\$ 44,124.10
7	MILL 2" EXIST. BITUMINOUS PAVEMENT	SY	10,000.00	\$ 2.25	\$ 22,500.00	\$ 1.30	\$ 13,000.00	\$1.40	\$ 14,000.00	\$ 1.60	\$ 16,000.00	\$ 1.84	\$ 18,400.00
8	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT (DRIVEWAYS)	SY	440.00	\$ 4.00	\$ 1,760.00	\$ 9.30	\$ 4,092.00	\$3.36	\$ 1,478.40	\$ 9.00	\$ 3,960.00	\$ 4.21	\$ 1,852.40
9	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT	SY	2,090.00	\$ 2.00	\$ 4,180.00	\$ 3.30	\$ 6,897.00	\$7.00	\$ 14,630.00	\$ 6.00	\$ 12,540.00	\$ 3.67	\$ 7,670.30
10	REMOVE & DISPOSE OF EXIST. STORM SEWER	LF	55.00	\$ 12.00	\$ 660.00	\$ 13.00	\$ 715.00	\$27.00	\$ 1,485.00	\$ 21.00	\$ 1,155.00	\$ 9.09	\$ 499.95
11	REMOVE & REINSTALL STORM FES WITH TIES	EA	1.00	\$ 450.00	\$ 450.00	\$ 3,696.00	\$ 3,696.00	\$200.00	\$ 200.00	\$ 1,200.00	\$ 1,200.00	\$ 965.79	\$ 965.79
12	REMOVE & DISPOSE OF CONCRETE CURB (ALL TYPES)	LF	1,575.00	\$ 10.00	\$ 15,750.00	\$ 8.10	\$ 12,757.50	\$3.76	\$ 5,922.00	\$ 11.00	\$ 17,325.00	\$ 6.12	\$ 9,639.00
13	CLASS 6 AGGREGATE BASE	TN	10.00	\$ 20.00	\$ 200.00	\$ 48.50	\$ 485.00	\$40.00	\$ 400.00	\$ 35.00	\$ 350.00	\$ 42.81	\$ 428.10
14	REMOVE & REPLACE CLASS 6, AGGREGATE BASE	TN	1,060.00	\$ 35.00	\$ 37,100.00	\$ 39.00	\$ 41,340.00	\$26.00	\$ 27,560.00	\$ 27.00	\$ 28,620.00	\$ 37.87	\$ 40,142.20
15	TYPE SP 12.5 BITUMINOUS NON-WEARING COURSE (SPNWB230B)	TN	330.00	\$ 60.00	\$ 19,800.00	\$ 67.00	\$ 22,110.00	\$60.00	\$ 19,800.00	\$ 65.00	\$ 21,450.00	\$ 69.15	\$ 22,819.50
16	TYPE SP 9.5 BITUMINOUS WEARING COURSE (SPWEA330B)	TN	4,450.00	\$ 60.00	\$ 267,000.00	\$ 65.50	\$ 291,475.00	\$56.00	\$ 249,200.00	\$ 64.00	\$ 284,800.00	\$ 67.69	\$ 301,220.50
17	BITUMINOUS MATERIAL FOR TACK COAT	GAL	2,780.00	\$ 3.00	\$ 8,340.00	\$ 4.05	\$ 11,259.00	\$1.60	\$ 4,448.00	\$ 2.25	\$ 6,255.00	\$ 3.21	\$ 8,923.80
18	2360 BITUMINOUS WEAR COURSE, DRIVEWAYS	SY	440.00	\$ 24.00	\$ 10,560.00	\$ 17.50	\$ 7,700.00	\$34.45	\$ 15,158.00	\$ 30.00	\$ 13,200.00	\$ 34.54	\$ 15,197.60
19	SHOULDERING WITH STOCKPILED MILLINGS	LS	1.00	\$ 5,000.00	\$ 5,000.00	\$ 4,865.00	\$ 4,865.00	\$6,000.00	\$ 6,000.00	\$ 12,000.00	\$ 12,000.00	\$ 20,692.28	\$ 20,692.28
20	ADJUST MANHOLE CASTING	EA	24.00	\$ 650.00	\$ 15,600.00	\$ 928.00	\$ 22,272.00	\$700.00	\$ 16,800.00	\$ 700.00	\$ 16,800.00	\$ 695.71	\$ 16,697.04
21	ADJUST VALVE BOX	EA	13.00	\$ 350.00	\$ 4,550.00	\$ 240.00	\$ 3,120.00	\$350.00	\$ 4,550.00	\$ 450.00	\$ 5,850.00	\$ 294.34	\$ 3,826.42
22	CONCRETE CURB AND GUTTER (ALL TYPES EXCEPT VALLEY GUTTER)	LF	2,310.00	\$ 25.00	\$ 57,750.00	\$ 34.00	\$ 78,540.00	\$23.72	\$ 54,793.20	\$ 31.00	\$ 71,610.00	\$ 22.49	\$ 51,951.90
23	CONCRETE VALLEY GUTTER	LF	120.00	\$ 30.00	\$ 3,600.00	\$ 50.50	\$ 6,060.00	\$64.50	\$ 7,740.00	\$ 86.00	\$ 10,320.00	\$ 56.74	\$ 6,808.80
24	4" PVC SCH 40 PERF EDGE DRAIN W/BACKFILL & WRAP	LF	1,400.00	\$ 25.00	\$ 35,000.00	\$ 26.50	\$ 37,100.00	\$30.08	\$ 42,112.00	\$ 24.00	\$ 33,600.00	\$ 29.54	\$ 41,356.00
25	CONNECT TO EXISTING STORM STRUCTURE	EA	6.00	\$ 800.00	\$ 4,800.00	\$ 728.00	\$ 4,368.00	\$401.12	\$ 2,406.72	\$ 1,500.00	\$ 9,000.00	\$ 1,079.42	\$ 6,476.52
26	DRAINTILE CLEANOUT	EA	10.00	\$ 250.00	\$ 2,500.00	\$ 436.00	\$ 4,360.00	\$175.00	\$ 1,750.00	\$ 275.00	\$ 2,750.00	\$ 312.46	\$ 3,124.60
27	2'X3' CATCH BASIN W/CASTING	EA	2.00	\$ 3,000.00	\$ 6,000.00	\$ 3,188.00	\$ 6,376.00	\$2,525.00	\$ 5,050.00	\$ 3,750.00	\$ 7,500.00	\$ 3,351.87	\$ 6,703.74
28	48" STORM SEWER MANHOLE CATCH BASIN	EA	2.00	\$ 4,500.00	\$ 9,000.00	\$ 3,712.00	\$ 7,424.00	\$3,208.99	\$ 6,417.98	\$ 5,250.00	\$ 10,500.00	\$ 3,635.93	\$ 7,271.86
29	18" RCP STORM SEWER PIPE	LF	10.00	\$ 26.00	\$ 260.00	\$ 585.00	\$ 5,850.00	\$85.24	\$ 852.40	\$ 110.00	\$ 1,100.00	\$ 96.58	\$ 965.80
30	15" RCP STORM SEWER PIPE	LF	55.00	\$ 26.00	\$ 1,430.00	\$ 60.50	\$ 3,327.50	\$80.22	\$ 4,412.10	\$ 100.00	\$ 5,500.00	\$ 85.22	\$ 4,687.10
31	15" FLARED END SECTION	EA	2.00	\$ 850.00	\$ 1,700.00	\$ 1,942.00	\$ 3,884.00	\$802.25	\$ 1,604.50	\$ 1,700.00	\$ 3,400.00	\$ 1,704.34	\$ 3,408.68
32	CLASS 3 RIP RAP W/GEOTEXTILE FABRIC	CY	26.00	\$ 150.00	\$ 3,900.00	\$ 99.50	\$ 2,587.00	\$110.31	\$ 2,868.06	\$ 125.00	\$ 3,250.00	\$ 147.71	\$ 3,840.46
33	DITCH GRADING	LF	50.00	\$ 50.00	\$ 2,500.00	\$ 6.00	\$ 300.00	\$10.03	\$ 501.50	\$ 19.52	\$ 976.00	\$ 26.76	\$ 1,338.00
34	IMPORT AND PLACE TOPSOIL (LV)	CY	390.00	\$ 32.00	\$ 12,480.00	\$ 55.50	\$ 21,645.00	\$36.50	\$ 14,235.00	\$ 40.00	\$ 15,600.00	\$ 37.46	\$ 14,609.40
35	SEEDING, FERTILIZER AND WOOD FIBER BLANKET	SY	2,860.00	\$ 4.00	\$ 11,440.00	\$ 8.80	\$ 25,168.00	\$1.95	\$ 5,577.00	\$ 2.00	\$ 5,720.00	\$ 7.82	\$ 22,365.20
36	SODDING	SY	1,040.00	\$ 10.00	\$ 10,400.00	\$ 11.00	\$ 11,440.00	\$8.05	\$ 8,372.00	\$ 4.75	\$ 4,940.00	\$ 13.03	\$ 13,551.20
37	STRIPING - 4" YELLOW STRIPING (STYLE VARIES)	LF	5,025.00	\$ 0.70	\$ 3,517.50	\$ 0.40	\$ 2,010.00	\$0.23	\$ 1,155.75	\$ 0.25	\$ 1,256.25	\$ 0.46	\$ 2,311.50
38	STRIPING - 4" WHITE STRIPING	LF	10,050.00	\$ 0.40	\$ 4,020.00	\$ 0.40	\$ 4,020.00	\$0.23	\$ 2,311.50	\$ 0.25	\$ 2,512.50	\$ 0.46	\$ 4,623.00
Total Schedule A					\$ 704,065.00		\$ 732,942.00		\$ 659,635.81		\$ 700,493.75		\$ 735,913.92
Schedule B - Watermain													
1	6" WET TAP	EA	1.00	\$ 1,500.00	\$ 1,500.00	\$ 4,678.00	\$ 4,678.00	\$ 2,005.62	\$ 2,005.62	\$ 3,400.00	\$ 3,400.00	\$ 3,635.93	\$ 3,635.93
2	6" WATERMAIN DIP - CL 52 (POLY ENCASED)	LF	20.00	\$ 50.00	\$ 1,000.00	\$ 64.00	\$ 1,280.00	\$ 60.17	\$ 1,203.40	\$ 115.00	\$ 2,300.00	\$ 107.94	\$ 2,158.80
3	HYDRANT	EA	1.00	\$ 4,500.00	\$ 4,500.00	\$ 7,706.00	\$ 7,706.00	\$ 2,507.02	\$ 2,507.02	\$ 7,700.00	\$ 7,700.00	\$ 7,158.22	\$ 7,158.22
Total Schedule B					\$ 7,000.00		\$ 13,664.00		\$ 5,716.04		\$ 13,400.00		\$ 12,952.95
TOTAL BASE BID					\$ 711,065.00		\$ 746,606.00		\$ 665,351.85		\$ 713,893.75		\$ 748,866.87

TABULATION OF BIDS

2019 MILL AND OVERLAY PROJECT
LAKE ELMO, MN
PROJECT NO. 2018.132

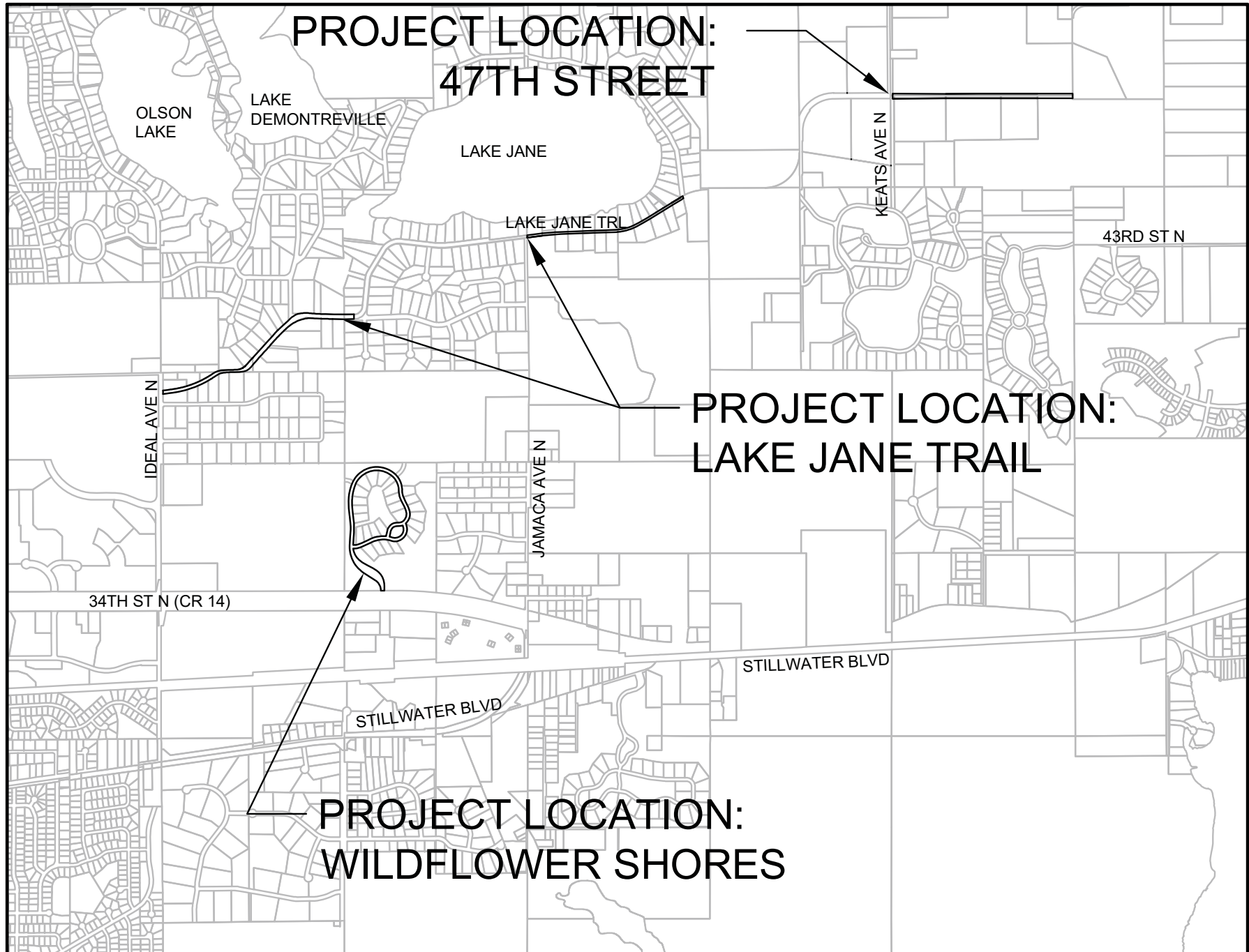


BIDS OPENED: MARCH 21, 2019 3:00PM

ITEM

ITEM NO.	ITEM	UNIT	QUANTITY	Park Construction		TA Shifsky & Sons, Inc.	
				Unit Price	Total	Unit Price	Total
Schedule A - Street and Storm Sewer							
1	MOBILIZATION	LS	1.00	\$ 44,600.00	\$ 44,600.00	\$24,000.00	\$ 24,000.00
2	TRAFFIC CONTROL	LS	1.00	\$ 4,900.00	\$ 4,900.00	\$9,000.00	\$ 9,000.00
3	INLET PROTECTION	EA	19.00	\$ 145.00	\$ 2,755.00	\$100.00	\$ 1,900.00
4	BIOROLL DITCH CHECK	EA	21.00	\$ 60.20	\$ 1,264.20	\$100.00	\$ 2,100.00
5	SAWCUT PAVEMENT (ALL TYPES)	LF	84.00	\$ 7.15	\$ 600.60	\$4.00	\$ 336.00
6	MILL 1.5" EXIST. BITUMINOUS PAVEMENT	SY	27,070.00	\$ 1.10	\$ 29,777.00	\$1.25	\$ 33,837.50
7	MILL 2" EXIST. BITUMINOUS PAVEMENT	SY	10,000.00	\$ 1.70	\$ 17,000.00	\$1.35	\$ 13,500.00
8	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT (DRIVEWAYS	SY	440.00	\$ 15.40	\$ 6,776.00	\$7.00	\$ 3,080.00
9	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT	SY	2,090.00	\$ 12.28	\$ 25,665.20	\$9.00	\$ 18,810.00
10	REMOVE & DISPOSE OF EXIST. STORM SEWER	LF	55.00	\$ 20.40	\$ 1,122.00	\$12.00	\$ 660.00
11	REMOVE & REINSTALL STORM FES WITH TIES	EA	1.00	\$ 1,680.00	\$ 1,680.00	\$3,350.00	\$ 3,350.00
12	REMOVE & DISPOSE OF CONCRETE CURB (ALL TYPES)	LF	1,575.00	\$ 11.60	\$ 18,270.00	\$6.50	\$ 10,237.50
13	CLASS 6 AGGREGATE BASE	TN	10.00	\$ 26.70	\$ 267.00	\$39.00	\$ 390.00
14	REMOVE & REPLACE CLASS 6, AGGREGATE BASE	TN	1,060.00	\$ 0.01	\$ 10.60	\$8.50	\$ 9,010.00
15	TYPE SP 12.5 BITUMINOUS NON-WEARING COURSE (SPNWB230B)	TN	330.00	\$ 60.20	\$ 19,866.00	\$75.00	\$ 24,750.00
16	TYPE SP 9.5 BITUMINOUS WEARING COURSE (SPWEA330B)	TN	4,450.00	\$ 67.30	\$ 299,485.00	\$64.89	\$ 288,760.50
17	BITUMINOUS MATERIAL FOR TACK COAT	GAL	2,780.00	\$ 2.40	\$ 6,672.00	\$0.01	\$ 27.80
18	2360 BITUMINOUS WEAR COURSE, DRIVEWAYS	SY	440.00	\$ 28.60	\$ 12,584.00	\$22.50	\$ 9,900.00
19	SHOULDERING WITH STOCKPILED MILLINGS	LS	1.00	\$ 8,199.00	\$ 8,199.00	\$5,000.00	\$ 5,000.00
20	ADJUST MANHOLE CASTING	EA	24.00	\$ 886.00	\$ 21,264.00	\$775.00	\$ 18,600.00
21	ADJUST VALVE BOX	EA	13.00	\$ 511.00	\$ 6,643.00	\$325.00	\$ 4,225.00
22	CONCRETE CURB AND GUTTER (ALL TYPES EXCEPT VALLEY GUTTER)	LF	2,310.00	\$ 22.10	\$ 51,051.00	\$28.00	\$ 64,680.00
23	CONCRETE VALLEY GUTTER	LF	120.00	\$ 52.00	\$ 6,240.00	\$40.00	\$ 4,800.00
24	4" PVC SCH 40 PERF EDGE DRAIN W/BACKFILL & WRAP	LF	1,400.00	\$ 13.80	\$ 19,320.00	\$21.00	\$ 29,400.00
25	CONNECT TO EXISTING STORM STRUCTURE	EA	6.00	\$ 306.00	\$ 1,836.00	\$660.00	\$ 3,960.00
26	DRAINTILE CLEANOUT	EA	10.00	\$ 182.00	\$ 1,820.00	\$414.75	\$ 4,147.50
27	2'X3' CATCH BASIN W/CASTING	EA	2.00	\$ 4,270.00	\$ 8,540.00	\$3,034.50	\$ 6,069.00
28	48" STORM SEWER MANHOLE CATCH BASIN	EA	2.00	\$ 5,680.00	\$ 11,360.00	\$3,533.00	\$ 7,066.00
29	18" RCP STORM SEWER PIPE	LF	10.00	\$ 69.40	\$ 694.00	\$530.00	\$ 5,300.00
30	15" RCP STORM SEWER PIPE	LF	55.00	\$ 66.30	\$ 3,646.50	\$55.00	\$ 3,025.00
31	15" FLARED END SECTION	EA	2.00	\$ 2,360.00	\$ 4,720.00	\$1,848.00	\$ 3,696.00
32	CLASS 3 RIP RAP W/GEOTEXTILE FABRIC	CY	26.00	\$ 122.00	\$ 3,172.00	\$94.50	\$ 2,457.00
33	DITCH GRADING	LF	50.00	\$ 16.90	\$ 845.00	\$20.00	\$ 1,000.00
34	IMPORT AND PLACE TOPSOIL (LV)	CY	390.00	\$ 39.10	\$ 15,249.00	\$25.00	\$ 9,750.00
35	SEEDING, FERTILIZER AND WOOD FIBER BLANKET	SY	2,860.00	\$ 1.55	\$ 4,433.00	\$3.00	\$ 8,580.00
36	SODDING	SY	1,040.00	\$ 10.20	\$ 10,608.00	\$11.00	\$ 11,440.00
37	STRIPING - 4" YELLOW STRIPING (STYLE VARIES)	LF	5,025.00	\$ 0.23	\$ 1,155.75	\$0.35	\$ 1,758.75
38	STRIPING - 4" WHITE STRIPING	LF	10,050.00	\$ 0.23	\$ 2,311.50	\$0.35	\$ 3,517.50
Total Schedule A					\$ 676,402.35		\$ 652,121.05
Schedule B - Watermain							
1	6" WET TAP	EA	1.00	\$ 5,930.00	\$ 5,930.00	\$ 4,452.00	\$ 4,452.00
2	6" WATERMAIN DIP - CL 52 (POLY ENCASED)	LF	20.00	\$ 80.60	\$ 1,612.00	\$ 61.00	\$ 1,220.00
3	HYDRANT	EA	1.00	\$ 5,790.00	\$ 5,790.00	\$ 7,500.00	\$ 7,500.00
Total Schedule B					\$ 13,332.00		\$ 13,172.00
TOTAL BASE BID					\$ 689,734.35		\$ 665,293.05

CITY OF LAKE ELMO 2019 MILL & OVERLAY PROJECT



PROJECT LOCATION MAP, NTS

PROJECT SCHEDULE
CITY OF LAKE ELMO

2019 MILL AND OVERLAY PROJECT
PROJECT NO. 2018.132

FOCUS ENGINEERING, inc.

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February 14, 2019	Placement of Advertisement for Bids. (Posted February 21)
March 21, 2019	Receive Contractor bids.
April 16, 2019	Council accepts bids and awards Contract.
May 6, 2019	Conduct Pre-construction meeting and Issue Notice to Proceed.
August 16, 2019	Substantial Completion of Work; including paving and restoration.
September 13, 2019	Final Completion of Work; including punchlist and final documentation.