

Jesse Farrell, PE
Director of Public Works / City Engineer

651.204.6050 Phone
Jesse.Farrell@cityvadnaisheights.com



The City of Vadnais Heights
800 East County Road E
Vadnais Heights, MN 55127

Memorandum:

TO: Mayor Krachmer and City Council Members

FROM: Jesse Farrell, Director of Public Works / City Engineer

DATE: May 2, 2023

RE: Accepting Bids for the 2023-1 Street Improvement Project and Award Contract

Requested Council Action

Following receipt of the bids received for the 2023-1 Street Improvement Project, staff recommends the adoption of the prepared Resolution accepting the tabulation of bids and awarding the project to the lowest responsible bidder, Bituminous Roadways, Inc. and authorize the City Administrator to enter into a construction agreement on behalf of the City upon approval of the Agreement by the City Attorney, and enter into agreement with S.E.H. for field construction services for Improvement 2023-1 at an estimated hourly cost not to exceed \$ 158,000.

Background

The Feasibility Study for Improvement 2023-1 was ordered by City Council Resolution #22-10-132 at its October 18, 2022 City Council meeting. This Feasibility Study outlined improvements on the three streets listed below:

- Elmwood Street - Stockdale Road to Clover Avenue
- Alpine Avenue - County Road F to south limits
- Horizon Street - Alpine Avenue to Centerville Road

All of these streets serve residential properties and have been routinely maintained with crack sealing and pothole patching.

- The Feasibility Study for Improvement 2023-01 was ordered by City Council Resolution #22-10-132 at its October 18, 2022 City Council meeting.
- The Feasibility Study is dated January 17, 2023.
- Residents abutting the improvements were informed of this potential project in a memo from City staff dated October 24, 2022 (Project Walkthrough Meeting Invite) and January 5, 2023 (Open House Invite).
- The Project Walkthrough and Open House meetings were held on November 2, 2022 and January 19, 2023, respectively.
- Residents were sent communication on January 20, 2023 regarding the public hearings for the 2023-01 Street Improvement project which was held at the February 21, 2023 City Council meeting.

Following testimony at the public hearing, the Council unanimously ordered the preparation of plans and specifications for the project.

- Six bids were received on April 20, 2023 with a low base bid of \$855,600.05, and \$138, 302.15 for Bid Alternate A (includes Lily Pond trail), for a total of \$993,902.20
- Total Bids amounts ranged from \$993,902.20 to \$1,157,568.67 which compare favorably to the \$1,325,112.50 Engineer's Estimate.
- Following receipt of bids, the total estimated project cost after adding a 10% contingency is \$1,142,987.53. With SEH services of \$158,000, the total estimated project cost is \$1,300,987.53.
- The amount to be assessed to the abutting and benefitting property owners in the project is \$437,300.

Should you choose to proceed with the project, it would also be appropriate for the City Council to formally award the construction project to Bituminous Roadways, Inc.

Staff has also received a proposal from S.E.H., dated April 21, 2023, for an hourly not-to-exceed amount of \$158,000. A copy of their proposal is attached.

I will be in attendance at the May 2nd, 2023 City Council meeting. Please contact me, if you have any questions prior to the meeting.

Finance Director's Comments

Funding for this project is included in the 2023 Capital Improvement Plan (CIP) as shown below.

	Current 2023 CIP	Proposed Funding
Capital Improvements Fund (if necessary)	\$ 0	\$ 0
Street Department Parking Lots and Trails	\$ 200,000	\$ 200,000
Street Replacement Annual - Special Assessments	\$ 250,000	\$ 437,300
Street Replacement Annual - Franchise Fees	\$ 600,000	\$ 600,000
Utility enterprise funds	\$ 300,000	\$ 300,000
Total Estimated Funding	\$1,350,000	\$1,537,300*

The final projected cost of \$1,300,987.53 includes a 15% reserve contingency. We do not expect any necessary City contributions beyond the budgeted amount.

*The favorable bid price present an opportunity for the council to consider additional work, such as the South Fire Department parking lots which are in very poor condition.

Attachments:

Resolution Awarding the Project Contract to Bituminous Roadways, Inc.

April 21, 2023 Proposal from S.E.H. for Field Services

April 20, 2023 Award Recommendation Letter and Bid Tabulation from S.E.H.

RESOLUTION NO. 23-05-_____

**RESOLUTION OF THE CITY OF VADNAIS HEIGHTS
RAMSEY COUNTY, MINNESOTA**

**ACCEPTING THE BID TABULATION AND AWARDING THE CONTRACT FOR THE
2023-1 STREET IMPROVEMENTS TO BITUMINOUS ROADWAYS, INC., WITH A
TOTAL BID OF \$993,902.20 AND AUTHORIZING THE MAYOR AND CITY
ADMINISTRATOR TO SIGN SAID CONTRACT**

WHEREAS, advertisement for bids for the 2023-1 Street Improvements were authorized by the City Council at their March 21, 2023 meeting by Resolution No. 23-03-050; and

WHEREAS, proper advertisements were made pursuant to State law in the official newspaper and Finance and Commerce; and

WHEREAS, bids for the 2023-1 Street Improvements were received at 1:00 p.m. on Thursday, April 20, 2023, opened and tabulated according to State law; and

WHEREAS, the following bids were received and read complying with said advertisement:

<u>Company</u>	<u>Base Bid</u>	<u>Bid Alt A</u>	<u>Total Bid</u>
Bituminous Roadways, Inc.	\$ 855,600.05	\$138,302.15	\$ 993,902.20
Northwest Asphalt	\$ 876,975.90	\$175,529.27	\$1,052,505.17
Minnesota Paving & Materials	\$ 886,268.08	\$151,868.94	\$1,038,137.02
Valley Paving, Inc	\$ 946,409.53	\$148,329.10	\$1,094,738.63
T. A. Schifsky & Sons, Inc.	\$ 946,690.19	\$158,489.05	\$1,105,179.24
Park Construction Company	\$ 983,879.85	\$173,688.82	\$1,157,568.67

WHEREAS, the apparent lowest responsive and responsible base bid was received from Bituminous Roadways, Inc. with a Base Bid price of \$855,600.05 and a Bid Alternate A price of \$138,302.15 for a total bid of \$993,902.20;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vadnais Heights, Ramsey County, Minnesota as follows:

1. That the Council accepts the bid received.
2. That the base bid of Bituminous Roadways, Inc. in the total amount of \$855,600.05; and an Alternate A price of \$138,302.15 for the 2023-1 Street Improvements is the lowest responsive bid.
2. That a contract to perform said work is awarded to Bituminous Roadways, Inc. and that the Mayor and City Administrator are hereby authorized and directed to enter into a contract with said bidder.

3. The City Clerk is authorized and directed to return the deposit made for said bids, except the deposit of the successful bidder which shall be retained until a contract has been signed.
4. That a Contract for Field Construction Services is awarded to S.E.H. at an hourly not-to-exceed cost of \$158,000.

This Resolution was declared duly passed and adopted and was signed by the Mayor and attested to by the City Administrator this 2nd day of May, 2023.

Attest:

Mike Krachmer, Mayor

Kevin Watson, City Administrator

(SEAL)



Building a Better World
for All of Us®

April 21, 2023

RE: City of Vadnais Heights
2023 Street Improvements
Proposal for Construction Services
City Project No. 2023-1
SEH No. VADNA P-170299 14.00

Mr. Jesse Farrell, PE
Public Works Director/City Engineer
City of Vadnais Heights
800 East County Road E.
Vadnais Heights, MN 55127-7044

Dear Mr. Farrell:

Short Elliott Hendrickson Inc. (SEH®) is pleased to submit this proposal for construction services for the proposed 2023 Street Improvements Project (hereinafter called the "Project"). These improvements are defined in the construction plans dated March 21, 2023, and subsequent addenda. This letter supplements the Agreement for Professional Services between the City of Vadnais Heights, Owner, and SEH dated June 1, 1997, renewed on January 17, 2023, and addresses providing these services in connection with the Project.

The attached scope of services includes preconstruction activities, shop drawing review, on-site construction observation, construction staking, wetland permitting assistance, record plan preparation/updates to the City's GIS database, and project closeout activities. Additional assumptions are included below the list of tasks. Based on the scope of the proposed improvements, full-time observation is included and it's assumed that construction activities will be completed the fall of 2023. Additional full-time observation time is included for the proposed improvements at Lily Pond Trail, which would also occur in the 2023 construction season, if awarded.

Based on the above schedule and assumptions, we estimate the total fee for these services to be \$158,000, which includes an estimated \$15,500 for construction materials testing by an independent laboratory. These fees include \$22,100 for construction engineering services and \$2,300 for construction materials testing related to Bid Alternate A: Lily Pond Trail improvements. The estimated fees will not be exceeded without review and authorization by the City. Services will be billed monthly on the basis of actual hours spent at current billing rates plus the actual cost of reimbursable expenses.

This letter and the above-referenced Agreement for Professional Services, along with Exhibits A-2, B, C-1, and D, represents the entire understanding between you and us in respect to the Project and may only be modified in writing signed by both of us. If it satisfactorily sets forth your understanding of our agreement, please sign and email the executed agreement to me.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 3535 Vadnais Center Drive, St. Paul, MN 55110-3507

651.490.2000 | 800.325.2055 | 888.908.8166 fax | sehinc.com

SEH is 100% employee-owned | Affirmative Action–Equal Opportunity Employer

Mr. Jesse Farrell, PE

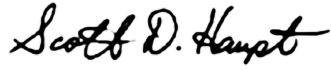
April 21, 2023

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We appreciate the opportunity to assist the City with the next phase of this project. Please contact me at 651.490.2055 or shaupt@sehinc.com if you have any questions or would like to discuss the proposal further.

Sincerely,

SHORT ELLIOTT HENDRICKSON INC.



Scott D. Haupt, PE
Senior Project Manager
(Lic. MN, WI)

Accepted this _____ day of _____, 2023

CITY OF VADNAIS HEIGHTS, MINNESOTA

By _____

Enclosure

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CONSTRUCTION SERVICES PROPOSAL FEE ESTIMATE

2023 STREET IMPROVEMENTS
VADNAIS HEIGHTS, MINNESOTA
VADNA P-170299
4/21/2023

NO.	TASK	HOURS						GIS ANALYST	ADMIN. ASSISTANT
		PROJECT MANAGER	PROJECT ENGINEER	GRADUATE ENGINEER	WETLAND SCIENTIST	SURVEY CREW CHIEF	SURVEY ASSISTANT		
1	CONSTRUCTION OBSERVATION & ADMINISTRATION (BASE BID)								
	Prepare for/conduct Preconstruction Meeting & prepare/send contracts	8	8	4					2
	Perform construction administration	64				6		6	10
	Delineate and apply for permitting before beginning work at pond north of Horizon Street and Centerville Road intersection	1			4				
	Wetland permitting /agency coordination	1			2				1
	Conduct weekly construction meetings (9 meetings assumed)	9	18	9					
	Shop Drawing Review		2	6					
	Review curb & gutter & mark removals, take preconstruction photos		8	16		4			
	Perform construction staking (structures, curb, blue tops, trails)		6			50	24		
	Coordinate construction material testing	4							4
	Construction observation of public improvements (9 weeks of full-time observation is assumed)		90	405					
	Conduct final site review/project closeout coordination	4	8	16					
2	CONSTRUCTION OBSERVATION & ADMINISTRATION (LILY POND TRAIL)								
	Perform construction administration	6				2			
	Shop Drawing Review		1	2					
	Conduct weekly construction meetings (2 meetings assumed)	2	4	2					
	Coordinate construction material testing	1		1					1
	Evaluate/mark full-depth replacement areas		2	2					
	Perform construction staking			2		8	8		
	Construction observation (2 weeks of full-time observation is assumed)		16	90					
	Conduct final site review	2	3	6					
3	RECORD PLANS								
	Perform Record Plan survey		4			11			
	Prepare Record Plans	2	4	16					
	Perform GIS updates based on as-built information & export Collector data		2					12	
	TOTAL	104	176	577	6	81	32	18	18

TOTAL FEE **\$158,000**

Assumptions:

1. No MS4 inspections included since no NPDES Construction Stormwater Permit is required.
2. It is assumed that construction activities will not encounter contaminated soils, therefore no staff time or lab testing is included for investigation of contaminated soils.



Building a Better World
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April 20, 2023

Re: Vadnais Heights, MN
2023 Street Improvements
City Project No. 2023-1
SEH No. VADNA 171347

Jesse Farrell, City Engineer/Public Works Director
City of Vadnais Heights
800 E County Road E
Vadnais Heights, MN 55127

On Thursday April 20, 2023 at 1:00 pm, six (6) bids were received for the above-referenced project. A summary is shown below in order of Base Bid and Base Bid plus Bid Alternate A. The low bid was submitted by Bituminous Roadways, Inc., of Mendota Heights, MN.

Contractor	Total Base Bid	Total Alt. A	Total Base + Alt. A
1 Bituminous Roadways, Inc.	\$855,600.05	\$138,302.15	\$993,902.20
2 Northwest Asphalt	\$876,975.90	\$175,529.27	\$1,052,505.17
3 Minnesota Paving & Materials	\$886,268.08	\$151,868.94	\$1,038,137.02
4 Valley Paving, Inc	\$946,409.53	\$148,329.10	\$1,094,738.63
5 T. A. Schifsky & Sons, Inc.	\$946,690.19	\$158,489.05	\$1,105,179.24
6 Park Construction Company	\$983,879.85	\$173,688.82	\$1,157,568.67
Engineer's Estimate	\$1,107,363.00	\$217,749.50	\$1,325,112.50

Bituminous Roadways, Inc. has successfully completed similar projects in Vadnais Heights and the Twin Cities Metro area in recent years, most recently the City's 2020 Street Improvements project. Based on their experience and past performance, SEH can conclude that Bituminous Roadways, Inc. has the experience and ability to complete a project of this scope and size.

Based on the City's available funding, we accordingly recommend the project be awarded to Bituminous Roadways, Inc. in the amount of either \$855,600.05 (Base Bid), or \$993,902.20 (Base Bid plus Bid Alternate A), which compare favorably with the engineer's estimate shown above.

Please contact me if you need any additional information or wish to discuss further. I can be reached at 651.490.2055, or via email at shaupt@sehinc.com.

Sincerely,

Scott Haupt, PE
Senior Project Manager
(Lic. MN, WI)

ah
Attachment

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Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 3535 Vadnais Center Drive, St. Paul, MN 55110-3507

651.490.2000 | 800.325.2055 | 888.908.8166 fax | sehinc.com

SEH is 100% employee-owned | Affirmative Action–Equal Opportunity Employer

2023 Street Improvements Vadnais Heights, MN SEH No.: VADNA 171347 Bid Date: 04/20/2023 01:00 PM CDT				Engineer's Estimate	1	2	3	4	5	6							
				\$1,107,363.00	\$855,600.05	\$876,975.90	\$886,268.08	\$946,409.53	\$946,690.19	\$983,879.85							
Item No.	Item	Unit	Est. Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
BASE BID																	
1	MOBILIZATION	LS	1	52,000.00	52,000.00	50,000.00	50,000.00	47,963.00	47,963.00	56,500.00	56,500.00	64,000.00	64,000.00	43,500.00	43,500.00	107,000.00	107,000.00
2	CLEARING	TREE	60	550.00	33,000.00	300.00	18,000.00	280.00	16,800.00	283.59	17,015.40	250.00	15,000.00	288.40	17,304.00	286.00	17,160.00
3	GRUBBING	TREE	60	550.00	33,000.00	52.00	3,120.00	50.00	3,000.00	50.64	3,038.40	140.00	8,400.00	51.50	3,090.00	51.00	3,060.00
4	SALVAGE SIGN	EACH	18	50.00	900.00	42.00	756.00	40.00	720.00	40.51	729.18	42.00	756.00	25.75	463.50	40.80	734.40
5	SALVAGE SIGN TYPE SPECIAL (ELMWOOD PARK	EACH	1	150.00	150.00	160.00	160.00	250.00	250.00	405.13	405.13	210.00	210.00	300.00	300.00	255.00	255.00
6	SALVAGE SIGN TYPE SPECIAL (STREET NAME SIGN)	EACH	5	50.00	250.00	52.00	260.00	50.00	250.00	50.64	253.20	53.00	265.00	25.75	128.75	51.00	255.00
7	SALVAGE PICNIC TABLE	EACH	1	200.00	200.00	110.00	110.00	100.00	100.00	210.29	210.29	200.00	200.00	250.00	250.00	255.00	255.00
8	SALVAGE WOOD FENCE	LF	13	30.00	390.00	22.00	286.00	10.00	130.00	32.12	417.56	31.00	403.00	25.00	325.00	20.40	265.20
9	REMOVE CONCRETE CURB AND GUTTER	LF	794	10.00	7,940.00	3.00	2,382.00	8.61	6,836.34	11.49	9,123.06	10.00	7,940.00	8.24	6,542.56	8.20	6,510.80
10	SALVAGE LANDSCAPE BOULDERS	LF	18	40.00	720.00	22.00	396.00	10.00	180.00	20.06	361.08	22.00	396.00	25.75	463.50	20.40	367.20
11	REMOVE CONCRETE DRIVEWAY PAVEMENT	SY	307	10.00	3,070.00	23.00	7,061.00	16.93	5,197.51	22.16	6,803.12	18.00	5,526.00	22.66	6,956.62	17.70	5,433.90
12	REMOVE BITUMINOUS PAVEMENT	SY	660	8.00	5,280.00	9.00	5,940.00	8.46	5,583.60	10.27	6,778.20	8.00	5,280.00	9.27	6,118.20	11.90	7,854.00
13	REMOVE CONCRETE SLAB	SF	126	7.00	882.00	4.00	504.00	2.00	252.00	2.81	354.06	7.00	882.00	3.09	389.34	1.80	226.80
14	EDGE MILL BITUMINOUS SURFACE (2.0")	LF	492	6.50	3,198.00	4.00	1,968.00	2.00	984.00	3.19	1,569.48	4.25	2,091.00	3.50	1,722.00	0.76	373.92
15	COMMON EXCAVATION (EV) (P)	CY	149	25.00	3,725.00	10.00	1,490.00	51.00	7,599.00	88.73	13,220.77	125.00	18,625.00	10.00	1,490.00	37.70	5,617.30
16	SUBGRADE EXCAVATION (EV)	CY	250	25.00	6,250.00	5.00	1,250.00	51.00	12,750.00	42.80	10,700.00	39.00	9,750.00	10.00	2,500.00	23.70	5,925.00
17	SELECT GRANULAR EMBANKMENT MOD 5%	TON	445	25.00	11,125.00	15.00	6,675.00	21.75	9,678.75	16.28	7,244.60	25.00	11,125.00	15.00	6,675.00	32.90	14,640.50
18	AGGREGATE BASE PREPARATION (STREETS)	RD STA	41	350.00	14,350.00	325.00	13,325.00	348.00	14,268.00	328.89	13,484.49	300.00	12,300.00	355.00	14,555.00	247.00	10,127.00
19	STREET SWEEPER (WITH PICKUP BROOM)	HOURL	41	165.00	6,765.00	150.00	6,150.00	175.00	7,175.00	160.00	6,560.00	175.00	7,175.00	0.01	0.41	168.00	6,888.00
20	WATER (FOR DUST CONTROL)	MGAL	41	75.00	3,075.00	65.00	2,665.00	50.00	2,050.00	40.03	1,641.23	42.00	1,722.00	30.00	1,230.00	53.50	2,193.50
21	AGGREGATE BASE CLASS 5	TON	473	25.00	11,825.00	15.00	7,095.00	17.95	8,490.35	19.61	9,275.53	0.01	4.73	13.84	6,546.32	45.30	21,426.90
22	DRILL & GROUT REINFORCEMENT BAR (EPOXY	EACH	5	35.00	175.00	32.00	160.00	30.00	150.00	30.46	152.30	13.00	65.00	30.90	154.50	22.30	111.50
23	MILL BITUMINOUS SURFACE (2.0")	SY	1724	4.00	6,896.00	3.00	5,172.00	0.01	17.24	0.10	172.40	3.50	6,034.00	4.00	6,896.00	4.50	7,758.00
24	FULL DEPTH RECLAMATION (6" MIN. DEPTH) (P)	SY	10894	3.25	35,405.50	3.00	32,682.00	2.31	25,165.14	3.24	35,296.56	3.40	37,039.60	8.50	92,599.00	3.25	35,405.50
25	BITUMINOUS MATERIAL FOR TACK COAT	GAL	690	3.50	2,415.00	2.50	1,725.00	3.50	2,415.00	2.01	1,386.90	2.30	1,587.00	0.01	6.90	3.15	2,173.50
26	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	1092	120.00	131,040.00	100.00	109,200.00	94.55	103,248.60	96.00	104,832.00	100.00	109,200.00	92.61	101,130.12	98.40	107,452.80
27	TYPE SP 9.5 WEARING COURSE MIX (4,B)	TON	24	140.00	3,360.00	150.00	3,600.00	223.06	5,353.44	174.93	4,198.32	155.00	3,720.00	175.00	4,200.00	227.00	5,448.00
28	TYPE SP 9.5 WEARING COURSE MIX (2,C)	TON	118	200.00	23,600.00	130.00	15,340.00	182.76	21,565.68	162.12	19,130.16	180.00	21,240.00	140.00	16,520.00	146.00	17,228.00
29	TYPE SP 9.5 WEARING COURSE MIX (2,C) (ELMWOOD PARK TRAIL)	TON	101	185.00	18,685.00	120.00	12,120.00	114.50	11,564.50	153.54	15,507.54	152.00	15,352.00	135.00	13,635.00	125.00	12,625.00
30	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	1456	110.00	160,160.00	100.00	145,600.00	88.91	129,452.96	92.00	133,952.00	95.25	138,684.00	87.24	127,021.44	92.50	134,680.00
31	BITUMINOUS REMOVAL AND REPLACEMENT (COUNTY ROAD PATCHING)	SY	106	100.00	10,600.00	58.00	6,148.00	66.55	7,054.30	90.53	9,596.18	60.00	6,360.00	107.50	11,395.00	126.00	13,356.00
32	REPLACEMENT BACKFILL	TON	450	25.00	11,250.00	12.00	5,400.00	25.00	11,250.00	15.01	6,754.50	23.00	10,350.00	11.59	5,215.50	28.00	12,600.00
33	6" CONCRETE DRIVEWAY PAVEMENT	SY	307	105.00	32,235.00	90.00	27,630.00	85.90	26,371.30	87.22	26,776.54	74.00	22,718.00	97.85	30,039.95	91.60	28,121.20
34	4" CONCRETE WALK	SF	145	25.00	3,625.00	9.00	1,305.00	8.25	1,196.25	8.38	1,215.10	8.00	1,160.00	10.30	1,493.50	10.30	1,493.50
35	6" CONCRETE WALK	SF	104	30.00	3,120.00	14.00	1,456.00	13.75	1,430.00	13.96	1,451.84	9.00	936.00	15.45	1,606.80	30.30	3,151.20
36	6" COLORED AND STAMPED CONCRETE EDGING	SF	63	60.00	3,780.00	74.00	4,662.00	72.00	4,536.00	73.10	4,605.30	11.00	693.00	79.31	4,996.53	68.60	4,321.80
37	B612 CONCRETE CURB & GUTTER	LF	145	35.00	5,075.00	36.00	5,220.00	33.65	4,879.25	34.17	4,954.65	42.00	6,090.00	36.05	5,227.25	47.70	6,916.50
38	24" CONCRETE RIBBON CURB	LF	108	50.00	5,400.00	36.00	3,888.00	33.65	3,634.20	34.17	3,690.36	37.00	3,996.00	36.05	3,893.40	42.20	4,557.60
39	CONCRETE CURB & GUTTER SPECIAL (SPOT	LF	794	45.00	35,730.00	37.00	29,378.00	34.50	27,393.00	35.03	27,813.82	44.00	34,936.00	36.05	28,623.70	42.10	33,427.40
40	TRUNCATED DOMES	SF	24	70.00	1,680.00	66.00	1,584.00	65.00	1,560.00	66.00	1,584.00	47.00	1,128.00	66.95	1,606.80	42.70	1,024.80
41	INSTALL WOOD FENCE	LF	13	45.00	585.00	21.00	273.00	20.00	260.00	32.12	417.56	91.00	1,183.00	75.00	975.00	61.20	795.60
42	TRAFFIC CONTROL	LS	1	12,000.00	12,000.00	22,000.00	22,000.00	2,400.00	2,400.00	2,430.75	2,430.75	2,600.00	2,600.00	75,000.00	75,000.00	2,450.00	2,450.00
43	SIGN PANELS, TYPE C	SF	2	100.00	200.00	152.00	304.00	150.00	300.00	151.92	303.84	158.00	316.00	150.00	300.00	153.00	306.00
44	INSTALL SIGN	EACH	18	250.00	4,500.00	230.00	4,140.00	225.00	4,050.00	227.88	4,101.84	240.00	4,320.00	272.95	4,913.10	230.00	4,140.00
45	INSTALL SIGN TYPE SPECIAL (ELMWOOD PARK	EACH	1	400.00	400.00	250.00	250.00	500.00	500.00	405.13	405.13	550.00	550.00	1,545.00	1,545.00	1,530.00	1,530.00
46	INSTALL SIGN TYPE SPECIAL (STREET NAME SIGN)	EACH	5	250.00	1,250.00	310.00	1,550.00	300.00	1,500.00	303.84	1,519.20	315.00	1,575.00	272.95	1,364.75	306.00	1,530.00
47	SALVAGE & INSTALL MAILBOX	EACH	4	225.00	900.00	210.00	840.00	200.00	800.00	202.56	810.24	300.00	1,200.00	206.00	824.00	0.00	0.00
48	INSTALL PICNIC TABLE	EACH	1	250.00	250.00	250.00	250.00	100.00	100.00	315.43	315.43	400.00	400.00	515.00	515.00	1,250.00	1,250.00
49	INSTALL LANDSCAPE BOULDERS	LF	18	150.00	2,700.00	22.00	396.00	20.00	360.00	20.06	361.08	66.00	1,188.00	51.50	927.00	20.40	367.20
50	DECIDUOUS TREE 8' HT CONT	TREE	20	800.00	16,000.00	300.00	6,000.00	605.00	12,100.00	614.27	12,285.40	300.00	6,000.00	623.15	12,463.00	617.00	12,340.00
51	STORM DRAIN INLET PROTECTION	EACH	16	200.00	3,200.00	150.00	2,400.00	150.00	2,400.00	145.40	2,326.40	220.00	3,520.00	139.05	2,224.80	421.00	6,736.00
52	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LF	1339	5.00	6,695.00	2.40	3,213.60	3.50	4,686.50	2.36	3,160.04	2.50	3,347.50	3.61	4,833.79	2.40	3,213.60
53	SILT FENCE	LF	975	5.00	4,875.00	2.80	2,730.00	3.00	2,925.00	2.76	2,691.00	3.00	2,925.00	3.61	3,519.75	2.80	2,730.00


TABULATION OF BIDS

2023 Street Improvements Vadnais Heights, MN SEH No.: VADNA 171347 Bid Date: 04/20/2023 01:00 PM CDT				Engineer's Estimate		1 Bituminous Roadways Inc.		2 Northwest Asphalt		3 Minnesota Paving & Materials		4 Valley Paving, Inc		5 T. A. Schifsky & Sons, Inc.		6 Park Construction Company	
				\$1,107,363.00		\$855,600.05		\$876,975.90		\$886,268.08		\$946,409.53		\$946,690.19		\$983,879.85	
Item No.	Item	Unit	Est. Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
54	ORGANIC TOPSOIL BORROW (CV)	CY	1348	55.00	74,140.00	40.00	53,920.00	40.00	53,920.00	21.39	28,833.72	41.00	55,268.00	0.01	13.48	42.50	57,290.00
55	EROSION CONTROL BLANKETS CATEGORY 3N	SY	875	5.00	4,375.00	3.00	2,625.00	6.00	5,250.00	3.01	2,633.75	3.20	2,800.00	6.18	5,407.50	3.05	2,668.75
56	SEED MIXTURE 34-181	LB	6	500.00	3,000.00	22.00	132.00	250.00	1,500.00	22.06	132.36	24.00	144.00	257.50	1,545.00	22.40	134.40
57	HYDROSEEDING (INCLUDES SEED, FERTILIZER &	SY	8081	4.50	36,364.50	3.00	24,243.00	4.00	32,324.00	2.76	22,303.56	3.00	24,243.00	4.12	33,293.72	2.80	22,626.80
58	EROSION STABILIZATION MAT (SHOREMAX W/	SF	75	18.00	1,350.00	7.00	525.00	50.00	3,750.00	15.04	1,128.00	16.00	1,200.00	51.50	3,862.50	22.40	1,680.00
59	4" SOLID LINE MULTI COMP (WR)	LF	381	5.00	1,905.00	4.05	1,543.05	4.00	1,524.00	4.05	1,543.05	4.20	1,600.20	4.12	1,569.72	4.10	1,562.10
60	PAVEMENT MESSAGE MULTI-COMPONENT GROUND IN (WR)	SF	5	55.00	275.00	52.00	260.00	50.00	250.00	50.64	253.20	53.00	265.00	97.85	489.25	51.00	255.00
61	REMOVE DRAINAGE STRUCTURE	EACH	2	750.00	1,500.00	1,100.00	2,200.00	500.00	1,000.00	423.99	847.98	650.00	1,300.00	1,133.00	2,266.00	471.00	942.00
62	SALVAGE CASTING (STORM)	EACH	7	300.00	2,100.00	325.00	2,275.00	165.00	1,155.00	270.35	1,892.45	200.00	1,400.00	334.75	2,343.25	237.00	1,659.00
63	REMOVE SEWER PIPE (STORM)	LF	300	32.00	9,600.00	10.10	3,030.00	12.50	3,750.00	14.48	4,344.00	18.00	5,400.00	11.33	3,399.00	8.30	2,490.00
64	DITCH GRADING	SF	2766	8.00	22,128.00	0.65	1,797.90	0.50	1,383.00	1.99	5,504.34	2.00	5,532.00	0.77	2,129.82	0.68	1,880.88
65	6" PRECAST CONCRETE HEADWALL	EACH	4	500.00	2,000.00	850.00	3,400.00	450.00	1,800.00	447.71	1,790.84	800.00	3,200.00	875.50	3,502.00	1,240.00	4,960.00
66	4" PERF PE PIPE DRAIN	LF	220	6.00	1,320.00	6.50	1,430.00	20.51	4,512.20	13.12	2,886.40	16.00	3,520.00	7.21	1,586.20	29.00	6,380.00
67	6" PERF PE PIPE DRAIN	LF	55	7.00	385.00	10.10	555.50	22.70	1,248.50	14.68	807.40	35.00	1,925.00	11.33	623.15	33.10	1,820.50
68	12" RC PIPE APRON W/ SAFETY GRATE	EACH	1	1,000.00	1,000.00	2,000.00	2,000.00	2,269.75	2,269.75	2,792.89	2,792.89	2,700.00	2,700.00	2,060.00	2,060.00	1,290.00	1,290.00
69	15" RC PIPE APRON W/ SAFETY GRATE	EACH	2	1,200.00	2,400.00	2,100.00	4,200.00	2,945.23	5,890.46	3,363.67	6,727.34	2,900.00	5,800.00	2,163.00	4,326.00	1,810.00	3,620.00
70	18" RC PIPE APRON W/ SAFETY GRATE	EACH	1	1,400.00	1,400.00	2,500.00	2,500.00	3,827.74	3,827.74	3,597.04	3,597.04	3,200.00	3,200.00	2,575.00	2,575.00	1,970.00	1,970.00
71	12" RC PIPE SEWER CL V	LF	82	77.00	6,314.00	70.00	5,740.00	69.89	5,730.98	98.71	8,094.22	83.00	6,806.00	72.10	5,912.20	62.10	5,092.20
72	15" RC PIPE SEWER CL V	LF	112	110.00	12,320.00	80.00	8,960.00	73.41	8,221.92	104.19	11,669.28	86.00	9,632.00	84.46	9,459.52	69.40	7,772.80
73	18" RC PIPE SEWER CL V	LF	86	150.00	12,900.00	86.00	7,396.00	79.82	6,864.52	111.94	9,626.84	98.00	8,428.00	87.55	7,529.30	78.70	6,768.20
74	6" PVC PIPE SEWER (SDR 35)	LF	78	75.00	5,850.00	38.00	2,964.00	46.10	3,595.80	154.96	12,086.88	47.00	3,666.00	41.20	3,213.60	41.40	3,229.20
75	CONNECT TO EXISTING STORM SEWER	EACH	1	800.00	800.00	600.00	600.00	1,250.00	1,250.00	2,853.79	2,853.79	1,200.00	1,200.00	87.55	87.55	1,240.00	1,240.00
76	CLEAN PIPE CULVERT	LF	204	40.00	8,160.00	7.00	1,428.00	36.75	7,497.00	33.78	6,891.12	20.00	4,080.00	39.14	7,984.56	9.30	1,897.20
77	CASTING ASSEMBLY (STORM)	EACH	6	1,000.00	6,000.00	1,800.00	10,800.00	865.00	5,190.00	1,004.35	6,026.10	1,075.00	6,450.00	597.40	3,584.40	878.00	5,268.00
78	CONST DRAINAGE STRUCTURE DESIGN K	LF	2.1	1,000.00	2,100.00	1,100.00	2,310.00	962.54	2,021.33	1,294.58	2,718.62	930.00	1,953.00	7.21	15.14	984.00	2,066.40
79	CONST DRAINAGE STRUCTURE 27-4020	LF	7.3	1,000.00	7,300.00	400.00	2,920.00	404.09	2,949.86	422.61	3,085.05	480.00	3,504.00	927.00	6,767.10	673.00	4,912.90
80	CONST DRAINAGE STRUCTURE 48-4020	LF	3.3	1,200.00	3,960.00	800.00	2,640.00	713.92	2,355.94	1,177.54	3,885.88	935.00	2,359.50	824.00	2,719.20	678.00	2,237.40
81	INSTALL CASTING (STORM)	EACH	4	575.00	2,300.00	325.00	1,300.00	220.00	880.00	436.93	1,747.72	920.00	3,680.00	875.50	3,502.00	171.00	684.00
82	MINOR STRUCTURE REPAIR (STORM)	EACH	1	1,300.00	1,300.00	1,500.00	1,500.00	500.00	500.00	871.73	871.73	760.00	760.00	1,545.00	1,545.00	466.00	466.00
83	RANDOM RIPRAP CLASS III	CY	42	150.00	6,300.00	100.00	4,200.00	97.00	4,074.00	139.92	5,876.64	145.00	6,090.00	103.00	4,326.00	114.00	4,788.00
84	SEDIMENT REMOVAL	CY	48	75.00	3,600.00	33.00	1,584.00	87.50	4,200.00	19.07	915.36	58.00	2,784.00	36.05	1,730.40	33.50	1,608.00
85	REMOVE 12" BUTTERFLY VALVE & BOX	EACH	1	2,000.00	2,000.00	3,000.00	3,000.00	1,500.00	1,500.00	667.19	667.19	1,500.00	1,500.00	3,090.00	3,090.00	1,240.00	1,240.00
86	REPLACE BOLTS & BOX ON WATER MAIN VALVE	EACH	11	3,000.00	33,000.00	1,800.00	19,800.00	3,344.79	36,792.69	3,014.11	33,155.21	3,800.00	41,800.00	1,751.00	19,261.00	4,970.00	54,670.00
87	6" FOSTER ADAPTOR	EACH	2	500.00	1,000.00	600.00	1,200.00	492.00	984.00	599.11	1,198.22	640.00	1,280.00	581.95	1,163.90	362.00	724.00
88	6" GATE VALVE & BOX	EACH	5	3,200.00	16,000.00	3,400.00	17,000.00	4,861.06	24,305.30	3,754.64	18,773.20	5,600.00	28,000.00	4,017.00	20,085.00	3,710.00	18,550.00
89	12" GATE VALVE & BOX	EACH	2	5,300.00	10,600.00	8,800.00	17,600.00	8,494.00	16,988.00	9,173.36	18,346.72	11,000.00	22,000.00	9,167.00	18,334.00	8,170.00	16,340.00
90	4" POLYSTYRENE INSULATION	SY	37	55.00	2,035.00	30.00	1,110.00	40.00	1,480.00	60.54	2,239.98	40.00	1,480.00	36.05	1,333.85	57.00	2,109.00
91	SALVAGE CASTING (SANITARY)	EACH	16	250.00	4,000.00	32.00	512.00	165.00	2,640.00	360.47	5,767.52	200.00	3,200.00	206.00	3,296.00	300.00	4,800.00
92	INSTALL SALVAGED CASTING (SANITARY)	EACH	16	800.00	12,800.00	65.00	1,040.00	960.00	15,360.00	843.77	13,500.32	915.00	14,640.00	1,024.85	16,397.60	836.00	13,376.00
93	MINOR STRUCTURE REPAIR (SANITARY)	EACH	9	1,300.00	11,700.00	1,300.00	11,700.00	500.00	4,500.00	870.85	7,837.65	760.00	6,840.00	1,339.00	12,051.00	368.00	3,312.00
94	RECONSTRUCT SANITARY STRUCTURE	LF	16.5	600.00	9,900.00	1,300.00	21,450.00	416.00	6,864.00	395.84	6,531.36	460.00	7,590.00	1,339.00	22,093.50	466.00	7,689.00
95	LANDSCAPE ALLOWANCE	LS	1	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
96	SITE SUPERINTENDENCE	LS	1	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
TOTAL BASE BID PRICE					1,107,363.00		855,600.05		876,975.90		886,268.08		946,409.53		946,690.19		983,879.85
BID ALTERNATE A: LILY POND TRAIL																	
97	MOBILIZATION	LS	1	11,000.00	11,000.00	12,000.00	12,000.00	15,858.00	15,858.00	2,303.40	2,303.40	7,800.00	7,800.00	7,500.00	7,500.00	10,000.00	10,000.00
98	CLEARING	TREE	15	550.00	8,250.00	375.00	5,625.00	385.00	5,775.00	354.48	5,317.20	250.00	3,750.00	360.50	5,407.50	357.00	5,355.00
99	GRUBBING	TREE	15	550.00	8,250.00	52.00	780.00	55.00	825.00	50.64	759.60	140.00	2,100.00	51.50	772.50	51.00	765.00
100	REMOVE SEWER PIPE (STORM)	LF	20	32.00	640.00	11.00	220.00	35.00	700.00	47.52	950.40	31.00	620.00	11.33	226.60	10.40	208.00
101	REMOVE BITUMINOUS PAVEMENT	SY	555	10.00	5,550.00	6.00	3,330.00	12.70	7,048.50	9.07	5,033.85	10.00	5,550.00	6.00	3,330.00	10.90	6,049.50
102	EDGE MILL BITUMINOUS SURFACE (2.0")	LF	82	6.50	533.00	10.00	820.00	2.00	164.00	7.66	628.12	9.00	738.00	3.50	287.00	0.76	62.32
103	SUBGRADE EXCAVATION (EV)	CY	80	25.00	2,000.00	4.00	320.00	55.00	4,400.00	31.59	2,527.20	56.00	4,480.00	20.60	1,648.00	37.20	2,976.00
104	AGGREGATE BASE PREPARATION (TRAIL)	RD STA	5	300.00	1,500.00	210.00	1,050.00	154.00	770.00	365.98	1,829.90	280.00	1,400.00	550.00	2,750.00	2,220.00	11,100.00
105	STREET SWEEPER (WITH PICKUP BROOM)	HOURL	5	165.00	825.00	150.00	750.00	175.00	875.00	160.00	800.00	180.00	900.00	165.00	825.00	168.00	840.00
106	WATER (FOR DUST CONTROL)	MGAL	5	75.00	375.00	75.00	375.00	55.00	275.00	5.01	25.05	42.00	210.00	35.00	175.00	53.50	267.50



TABULATION OF BIDS

2023 Street Improvements Vadnais Heights, MN SEH No.: VADNA 171347 Bid Date: 04/20/2023 01:00 PM CDT				1 Engineer's Estimate		2 Bituminous Roadways Inc.		3 Northwest Asphalt		4 Minnesota Paving & Materials		5 Valley Paving, Inc		6 T. A. Schifsky & Sons, Inc.		Park Construction Company	
				\$1,107,363.00		\$855,600.05		\$876,975.90		\$886,268.08		\$946,409.53		\$946,690.19		\$983,879.85	
Item No.	Item	Unit	Est. Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
107	AGGREGATE BASE CLASS 5	TON	40	25.00	1,000.00	18.00	720.00	26.07	1,042.80	32.02	1,280.80	0.01	0.40	30.00	1,200.00	107.00	4,280.00
108	MILL BITUMINOUS SURFACE (2.0") (TRAIL)	SY	3604	4.00	14,416.00	3.00	10,812.00	2.55	9,190.20	3.01	10,848.04	4.10	14,776.40	3.50	12,614.00	3.60	12,974.40
109	BITUMINOUS MATERIAL FOR TACK COAT	GAL	181	3.50	633.50	2.50	452.50	3.85	696.85	2.01	363.81	2.30	416.30	0.01	1.81	3.15	570.15
110	TYPE SP 9.5 WEARING COURSE MIX (2.C) (LILY POND TRAIL)	TON	509	185.00	94,165.00	125.00	63,625.00	132.30	67,340.70	133.09	67,742.81	119.00	60,571.00	117.00	59,553.00	141.00	71,769.00
111	REPLACEMENT BACKFILL	TON	128	25.00	3,200.00	11.50	1,472.00	30.00	3,840.00	15.01	1,921.28	23.00	2,944.00	12.36	1,582.08	25.90	3,315.20
112	12" GALVANIZED STEEL PIPE APRON	EACH	1	800.00	800.00	200.00	200.00	531.52	531.52	550.86	550.86	1,100.00	1,100.00	195.70	195.70	466.00	466.00
113	12" PVC PIPE SEWER (SDR 35)	LF	20	115.00	2,300.00	80.00	1,600.00	55.21	1,104.20	177.72	3,554.40	90.00	1,800.00	82.40	1,648.00	114.00	2,280.00
114	RANDOM RIPRAP CLASS III	CY	36	150.00	5,400.00	65.00	2,340.00	125.00	4,500.00	139.98	5,039.28	145.00	5,220.00	66.95	2,410.20	114.00	4,104.00
115	TRAFFIC CONTROL	LS	1	2,500.00	2,500.00	1,000.00	1,000.00	500.00	500.00	506.41	506.41	525.00	525.00	10,815.00	10,815.00	510.00	510.00
116	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LF	3302	5.00	16,510.00	2.40	7,924.80	3.55	11,722.10	2.36	7,792.72	2.50	8,255.00	3.61	11,920.22	2.40	7,924.80
117	SILT FENCE	LF	2548	5.00	12,740.00	2.85	7,261.80	3.30	8,408.40	2.76	7,032.48	3.00	7,644.00	3.09	7,873.32	2.80	7,134.40
118	ORGANIC TOPSOIL BORROW (CV)	CY	209	55.00	11,495.00	40.00	8,360.00	66.00	13,794.00	81.92	17,121.28	41.00	8,569.00	61.80	12,916.20	61.90	12,937.10
119	SEED MIXTURE 34-181	LB	2	500.00	1,000.00	23.00	46.00	275.00	550.00	22.06	44.12	24.00	48.00	257.50	515.00	22.40	44.80
120	EROSION CONTROL BLANKETS CATEGORY 3N	SY	125	5.00	625.00	3.05	381.25	8.80	1,100.00	3.01	376.25	4.00	500.00	8.24	1,030.00	3.05	381.25
121	HYDROSEEDING (INCLUDES SEED, FERTILIZER & HYDRAULIC MULCH)	SY	1876	4.50	8,442.00	2.80	5,252.80	5.50	10,318.00	2.76	5,177.76	3.00	5,628.00	5.15	9,661.40	2.80	5,252.80
122	SEDIMENT REMOVAL (EV)	CY	48	75.00	3,600.00	33.00	1,584.00	87.50	4,200.00	48.79	2,341.92	58.00	2,784.00	33.99	1,631.52	44.20	2,121.60
TOTAL ALTERNATE A BID PRICE					217,749.50		138,302.15		175,529.27		151,868.94		148,329.10		158,489.05		173,688.82
TOTAL BASE BID PLUS ALTERNATE A BID PRICE					\$1,325,112.50		\$993,902.20		\$1,052,505.17		\$1,038,137.02		\$1,094,738.63		\$1,105,179.24		\$1,157,568.67