

Jesse Farrell, PE
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Memorandum:

TO: Mayor Krachmer and City Council Members

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

DATE: March 21, 2023

SUBJECT: 2023 – 1 Street Improvements
Approve Plans and Specifications and Authorize Advertisement of Bids

Recommended Council Action

Consider adopting resolution approving plans and specifications for 2023-1 Street Improvements and authorizing advertisement of bids with a April 20, 2023 bid due date. The streets included in the project are Elmwood Street from Stockdale Road to Clover Avenue; Alpine Avenue from County Road F to south limits; and Horizon Street from Alpine Avenue to Centerville Road.

Background

Following the public hearings, plans and specifications were ordered to be prepared at the February 21, 2023 City Council meeting. S.E.H. was designated as the Project Engineer for the 2023-1 Street Improvements Project and all costs associated with the design and inspection services are included in the estimated project costs as detailed at the public hearing. Plans and specifications are necessary to solicit public bids.

Staff has reviewed the plans and specifications for the project and recommends approval. Staff has prepared the attached resolution for consideration. This resolution approves the plans and specifications and authorizes advertisement for public bids.

I will be available at the March 21, 2023 City Council meeting, if you have any questions.

Attachments - Draft Council Resolution
Engineer's Estimate, dated March 8, 2023

RESOLUTION NO. 23-03-_____**RESOLUTION OF THE CITY OF VADNAIS HEIGHTS,
RAMSEY COUNTY, MINNESOTA****APPROVING THE PLANS AND SPECIFICATIONS AND AUTHORIZING
ADVERTISEMENT OF BIDS WITH APRIL 20, 2023, BID DATE FOR THE 2023-1
STREET IMPROVEMENTS PROJECT INCLUDING ELMWOOD STREET FROM
STOCKDALE ROAD TO CLOVER AVENUE; ALPINE AVENUE FROM COUNTY
ROAD F TO SOUTH LIMITS; AND HORIZON STREET FROM ALPINE AVENUE TO
CENTERVILLE ROAD**

WHEREAS, on February 21, 2023, the Council adopted Resolution No. 23-02-036 ordering the 2023-01 Street Improvements Project and adopted Resolution No. 23-02-036 to set the Assessment Rate at 6.0%; and

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

1. The plans and specifications for the 2023-1 Street Improvements, which were prepared pursuant to Resolution No. 23-02-036 adopted by the City Council on February 21, 2023, are hereby approved as the plans and specifications in accordance with which said improvements shall be constructed.
2. The City Council hereby authorizes the City Engineer to advertise for construction bids and further that a date and time to receive bids for said improvements is hereby established on April 20, 2023 at 1:00 p.m.
3. That the City Clerk is hereby directed to cause to be published in the Vadnais Heights Bulletin and in the Construction Bulletin, at least twenty-one (21) days before the date for opening of bids, a notice to bidders for the construction of said improvements as required by law.

This Resolution was declared duly passed, adopted and signed by the Mayor and attested to by the City Administrator this 21st day of March, 2023.

Attest:

Mike Krachmer, Mayor

Kevin Watson, City Administrator

(SEAL)

VADNAIS HEIGHTS, MINNESOTA
2023 Street Improvements
City Project 2023-1
SEH FILE VADNA 171347

Main project cost breakdown table with columns: LINE NO., ITEM NO., ITEM DESCRIPTION, UNIT, UNIT PRICE, ESTIMATED QUANTITY, ESTIMATED COST, ALPINE AVENUE (ESTIMATED QUANTITY, ESTIMATED COST), HORIZON STREET (ESTIMATED QUANTITY, ESTIMATED COST), and ELMWOOD STREET (ESTIMATED QUANTITY, ESTIMATED COST). Includes sections for STREET, STORM SEWER, WATER MAIN, and SANITARY SEWER.

Summary table with columns: CATEGORY, ESTIMATED COST, ALPINE AVENUE ESTIMATED COST, HORIZON STREET ESTIMATED COST, and ELMWOOD STREET ESTIMATED COST. Includes rows for SUBTOTAL (BASE BID), +10% CONSTRUCTION CONTINGENCIES, ESTIMATED CONSTRUCTION COST (BASE BID), LEGAL, FISCAL, ADMINISTRATION & ENGINEERING, and TOTAL ESTIMATED COST (BASE BID).

BID ALTERNATE A: LILY POND TRAIL						
LINE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	ESTIMATED COST
STREET						
1	2021.501	MOBILIZATION	LS	\$11,000.00	1.00	\$11,000.00
2	2101.524	CLEARING	TREE	\$550.00	15	\$8,250.00
3	2101.524	GRUBBING	TREE	\$550.00	15	\$8,250.00
4	2104.503	REMOVE SEWER PIPE (STORM)	LF	\$32.00	20	\$640.00
5	2104.504	REMOVE BITUMINOUS PAVEMENT	SY	\$10.00	555	\$5,550.00
6	2104.603	EDGE MILL BITUMINOUS SURFACE (2.0")	LF	\$6.50	82	\$533.00
7	2105.507	SUBGRADE EXCAVATION (EV)	CY	\$25.00	80	\$2,000.00
8	2112.619	AGGREGATE BASE PREPARATION (TRAIL)	RD STA	\$300.00	5	\$1,500.00
9	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOURL	\$165.00	5	\$825.00
10	2130.523	WATER (FOR DUST CONTROL)	MGAL	\$75.00	5	\$375.00
11	2211.509	AGGREGATE BASE CLASS 5	TON	\$25.00	40	\$1,000.00
12	2232.504	MILL BITUMINOUS SURFACE (2.0") (TRAIL)	SY	\$4.00	3,604	\$14,416.00
13	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	\$3.50	181	\$633.50
14	2360.509	TYPE SP 9.5 WEARING COURSE MIX (2.C) (LILY POND TRAIL)	TON	\$185.00	509	\$94,165.00
15	2411.609	REPLACEMENT BACKFILL	TON	\$25.00	128	\$3,200.00
16	2501.502	PRECAST CONCRETE HEADWALL (12")	EACH	\$800.00	1	\$800.00
17	2501.503	STORM SEWER SPOT REPAIR	LF	\$500.00	16	\$8,000.00
18	2503.503	12" PVC PIPE SEWER CL V	LF	\$77.00	20	\$1,540.00
19	2563.601	TRAFFIC CONTROL	LS	\$2,500.00	1	\$2,500.00
20	2573.533	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LF	\$5.00	2,548	\$12,740.00
21	2573.533	SILT FENCE	LF	\$5.00	2,548	\$12,740.00
22	2573.607	SEDIMENT REMOVAL (EV)	CY	\$75.00	48	\$3,600.00
23	2574.507	ORGANIC TOPSOIL BORROW (CV)	CY	\$55.00	209	\$11,495.00
24	2575.523	EROSION CONTROL BLANKETS CATEGORY 3N	SY	\$5.00	125	\$625.00
25	2575.508	SEED MIXTURE 34-181	LB	\$500.00	2	\$1,000.00
26	2575.604	HYDROSEEDING (INCLUDES SEED, FERTILIZER & HYDRAULIC MULCH)	SY	\$4.50	1,876	\$8,442.00
27	2511.507	RANDOM RIPRAP CLASS III	CY	\$150.00	36	\$5,400.00

SUBTOTAL (BID ALTERNATE A)	\$221,219.50
+10% CONSTRUCTION CONTINGENCIES	\$22,121.95
ESTIMATED CONSTRUCTION COST (BID ALTERNATE A)	\$243,341.45
LEGAL, FISCAL, ADMINISTRATION & ENGINEERING	\$60,835.36
TOTAL ESTIMATED COST (BID ALTERNATE A)	\$304,200.00

ASSUMPTIONS:

- 1 No easements or additional right-of-way are required for the proposed improvements
- 2 No quantities are included for potential contaminated soils at Elmwood Park. Further investigation will be performed if contaminated soils are encountered during construction