

ITEM #: 24
 DATE: 03-28-23
 DEPT: PW

COUNCIL ACTION FORM

SUBJECT: 2022/23 CONCRETE PAVEMENT IMPROVEMENTS – (BROOKRIDGE AVE, RIDGEWOOD AVE, LEE ST, 9TH ST, PARK WAY, & ALLEY)

BACKGROUND:

This annual program utilizes current repair and reconstruction techniques to improve concrete streets. The pavement improvements are needed to restore structural integrity, serviceability, and rideability. These targeted streets are reaching a point of accelerated deterioration. By improving these streets prior to excessive problems, the service life will be extended.

This project includes the replacement of the existing street pavement with 8” concrete or 9” asphalt, upgrading the pedestrian facilities to meet the current federal regulations, repairing storm/sanitary sewers, and replacing the existing 6” water main with a new 8” water main on Ridgewood Avenue and 9th St. Existing lead water service lines encountered during the water main replacement will also be replaced.

Plans and specifications for this project were completed by WHKS of Ames, Iowa and city staff, including a base bid and alternatives for the type of pavement. **Alternative 1 is for using concrete and Alternative 2 is for using asphalt.** A table of total estimated costs for each Alternative is shown below:

	<u>Base + Alt 1 (Concrete)</u>	<u>Base + Alt 2 (Asphalt)</u>
Base Bid	\$ 3,054,862.75	\$ 3,054,862.75
Paving Alternative	<u>\$ 1,145,396.00</u>	<u>\$ 1,178,948.70</u>
Construction Subtotal	\$ 4,200,258.75	\$ 4,233,811.45
Engineering	<u>\$ 840,000.00</u>	<u>\$ 847,000.00</u>
Total Estimated Project Costs	\$ 5,040,258.75	\$ 5,080,811.45

On March 14, 2023, City Council accepted the report of bids as follows:

<i>Bidder</i>	<i>Base + Alt 1</i>	<i>Base + Alt 2</i>
<i>Engineer’s estimate</i>	\$4,200,258.75	\$4,233,811.45
Shekar Engineering, PLC	\$4,203,260.58	\$4,353,430.69
Manatts Inc.	(no bid)	\$5,150,981.64
All Star Concrete, LLC	\$5,282,373.27	(no bid)

Revenues and expenses associated with this program are estimated as follows:

Funding Source	Available Revenue	Estimated Expenses
2022/23 Concrete Improvements (G.O. Bonds)	\$ 3,600,000	
2022/23 Water System Improvements (Water Fund)	650,000	
2022/23 & 23/24 Alley Improvements (G.O. Bonds)	800,000	
2022/23 Sanitary Sewer Improvements (Sewer Fund)	400,000	
Construction (Low Bid: Base + Alt 1)		\$ 4,203,260.58
WHKS Engineering		312,400.00
Engineering Administration		527,600.00
TOTAL	\$ 5,450,000	\$ 5,043,260.58

Shekar Engineering provided the most competitive bid for the base bid plus Alternative 1 (concrete pavement). However, this firm does not have prior construction contractor experience with the City of Ames. Therefore, the City Council delayed the award of bid to allow staff to gather more information and determine if the company is a responsible bidder.

WHKS and City staff conducted reference checks with other communities in Iowa where Shekar Engineering has performed and managed construction contracts. The only concerns that were identified do not appear to City staff to be related to the firm itself but to the nature of the work (they could be encountered by any contractor performing similar work). Staff note that the subcontractors proposed by Shekar Engineering have previous experience on work in Ames. Staff will have a thorough preconstruction meeting with Shekar and the subcontractors to assure that the expectations and contract requirements are well understood. **Therefore, staff has found Shekar Engineering to be an acceptable, responsible bidder and recommends contract award.**

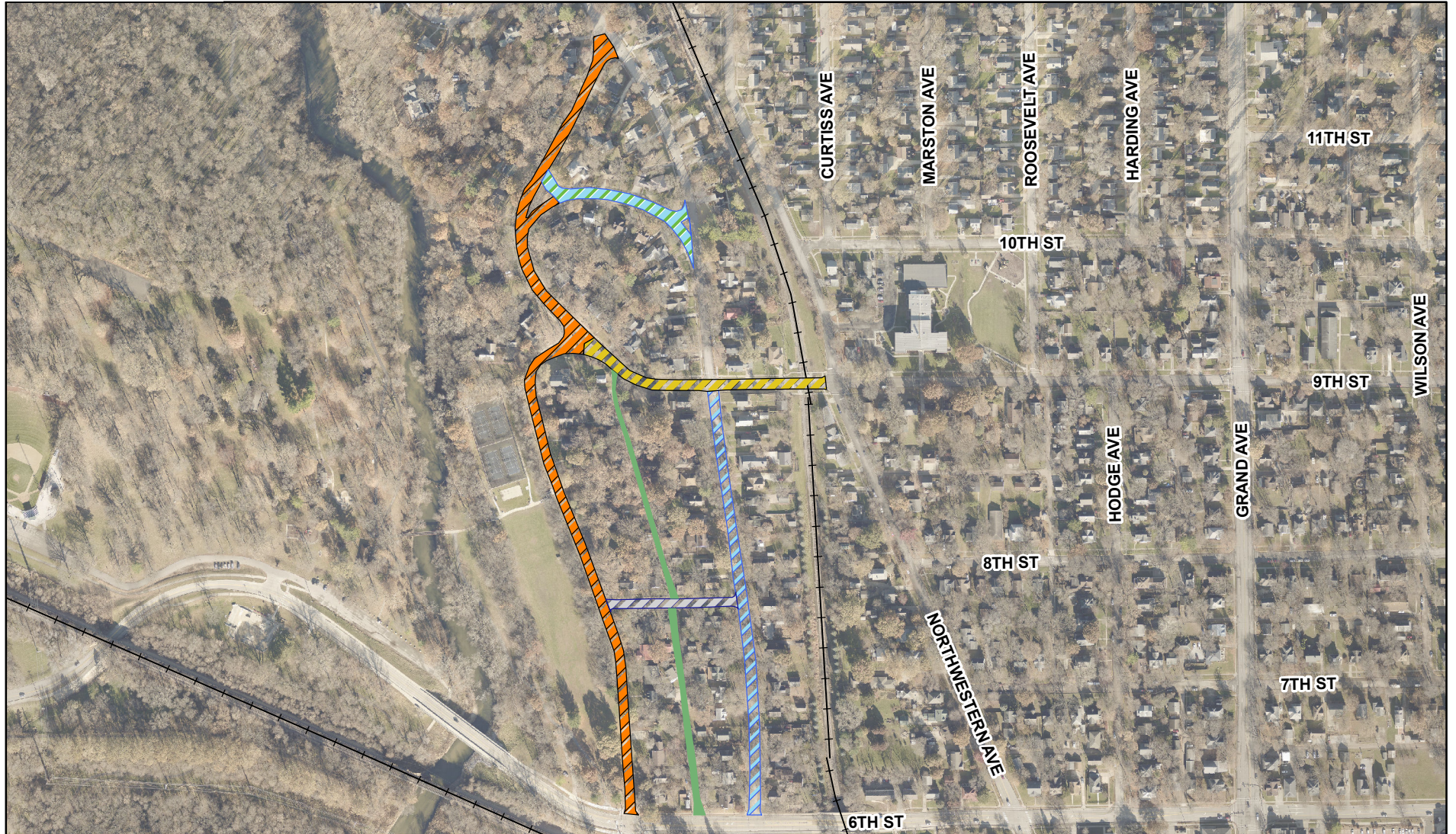
ALTERNATIVES:







1. a. Approve the final plans and specifications for this project.
- b. Award the 2022/23 Concrete Pavement Improvements – (Brookridge Ave, Ridgewood Ave, Lee St, 9th St, Park Way & Alley) project to Shekar Engineering, P.L.C. of Ames, Iowa, in the amount of \$4,203,260.58.
2. Award the contract to one of the other bidders.
3. Do not proceed with this project.

CITY MANAGER'S RECOMMENDED ACTION:

By approving final plans and specifications and awarding the contract, this project will result in lower street maintenance costs, improve area drainage, and provide a better neighborhood aesthetic. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as noted above.

2022/23 Concrete Pavement Improvements



-  Brookridge Ave
-  Ridgewood Ave
-  Lee St
-  9th St
-  Park Way
-  Alley

- Bridgwood Ave - (6th St to Ridgewood Ave)**
- Ridgewood Ave - (6th St to 9th St)**
- Lee St. - (Brookridge Ave to Ridgewood Ave)**
- 9th St. - (Brookridge Ave to Northwestern Ave)**
- Park Way - (Brookridge Ave to Ridgewood Ave)**
- Alley - (6th St to 9th St)**

