

TO: Michael C. Van Milligen, City Manager

FROM: Gus Psihoyos, City Engineer

DATE: February 10, 2014

SUBJECT: SRF Green Alley Bid Set 1
(CIP 7102450)

INTRODUCTION

The enclosed resolution authorizes the award of the construction contract for the SRF Green Alley Bid Set 1 Project.

DISCUSSION

This project will involve the reconstruction of three alleys in the Bee Branch Watershed. The alley locations are as follows:

- Johnson Street to Windsor Avenue (Between Providence Street and Windsor Avenue)
- 14th Street to 15th Street (Between Cedar Street and Maple Street)
- Foye Street to Ellis Street (Between Almond Street and W. Locust Street)

This project will reconstruct the first set of alleys for the SRF Green Alleys in the Bee Branch Watershed as part of the Bee Branch Watershed Flood mitigation Project. The Engineering Department is working on the design and construction documents for the remainder of the alleys. Additional construction bid sets will be developed in 5 to 10 alley groupings. The first two years of alley reconstruction include no utilities, except sewer manhole repairs where the project affects them.

The Engineering Department survey staff is currently performing topographic survey on the first year alleys. Engineering staff plan to initiate alley bid packages on a monthly basis until all of the alleys are designed.

The reconstruction of the alleys will include:

- Removal of the existing alley pavement
- Excavation of the subgrade to allow the placement of clean stone for a storage medium
- Installation of a concrete border to hold brick pavers together
- Installation of HMA headers at the alley intersection with the intersecting streets.
- Reconstruction of the pavement surface with interlocking concrete pavers

This project will reconstruct the alleys into green alleys. These alleys allow rainwater to infiltrate into the pavement rather than runoff into the storm sewers. This infiltration allows for filtering of the water and recharge back into the aquifer. Monitoring wells are also planned to be installed so that water quality improvements can be documented.

The project construction documents will follow the Statewide Urban Design and Specifications (SUDAS).

The Iowa Department of Natural Resources (IDNR) have reviewed and approved the plans so that the City cost can be covered with SRF funds.

This project will be the second alley project to have special assessments. The first project was the Green Alley Permeable Pavers Project (17th – 18th, between Jackson & Washington Streets).

BID RESULTS

The City of Dubuque received the following bids for the SRG Green Alley Project - Bid Set 1 on February 6, 2014:

<u>Contractor</u>	<u>Bid Results</u>
East Iowa Construction	\$ 280,207.75
Horsfield Construction, Inc.	\$ 285,170.50
Portzen Construction, Inc.	\$ 301,015.50
Connolly Construction, Inc.	\$ 315,015.10
Tschiggfrie Excavating, Inc.	\$ 346,475.55

Based on the bid results it is hoped that the final assessments levied to property owners will be reduced from the original estimates due to the favorable bids received.

RECOMMENDATION

I recommend that the contract for the for the SRF Green Alley Bid Set 1 Project be awarded to East Iowa Construction of Epworth, Iowa in the amount of \$ 280,207.75 which is 11.06% under the engineer's estimate of probable cost. The majority of the cost savings was in the bid price of the brick pavers. The IDNR have reviewed the bid tab and concur with the award of the contract.

BUDGET IMPACT

The summary of cost for the SRF Green Alley Bid Set 1 Project is as follows:

	<u>Estimate</u>	<u>Award</u>
Construction Contract	\$325,334.00	\$280,207.75
Contingency	32,533.00	28,020.78
Construction Engineering & Inspection	<u>53,680.00</u>	<u>46,234.28</u>
Total Project Cost	<u>\$411,547.00</u>	<u>\$354,462.81</u>

The project funding summary is as follows:

<u>CIP No.</u>	<u>Fund Description</u>	<u>Fund Amount</u>
7102450	SRF Green Alley Project	\$ 315,830.14
	Special Assessment – Alley Improvement, Residential	44,077.61
	Special Assessment – Alley Improvement, Commercial	5,444.94
	Total Project Funding	<u>\$411,547.00</u>

ACTION TO BE TAKEN

I recommend that the City Council adopt the attached resolution awarding for the SRF Green Alley Project Bid Set 1 to East Iowa Construction in the amount of \$280,207.75.

Prepared by Jon Dienst, PE

cc: Jenny Larson, Budget Director
Don Vogt, Public Works Director
John Klostermann, Street & Sewer Maintenance Supervisor
Deron Muehring, Civil Engineer II
Denise Ihrig, Environmental Engineer