

TO: Michael C. Van Milligen, City Manager

FROM: Gus Psihoyos, City Engineer 

DATE: January 27, 2014

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

INTRODUCTION

The enclosed resolution is in reference to the public hearing on 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. 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. Engineering plans to bid all of the first year alleys (25) this year.

The reconstruction of the alleys will include:

- Removal of the existing alley pavement
- Excavation of the subgrade to allow the placement of clean washed stone for a storage medium
- Installation of a concrete border for the brick pavers
- 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) in the development of the construction documents.

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).

RECOMMENDATION

I recommend that the City Council approve the construction plans and specifications for the SRF Green Alley Bid Set 1 Project.

BUDGET IMPACT

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

	<u>Estimate</u>
Construction Contract	\$ 325,334.00
Contingency	32,533.00
Construction Engineering & Inspection	<u>53,680.00</u>
Total Project Cost	<u>\$411,547.00</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	\$ 337,242.48
	Special Assessment – Alley Improvement, Residential	65,848.64
	Special Assessment – Alley Improvement, Commercial	8,455.88
	Total Project Funding	<u>\$411,547.00</u>

ACTION TO BE TAKEN

The City Council is requested to approve the plans, specifications, form of contract and the estimated cost and to adopt the Resolution of Necessity and the Preliminary Schedule of Assessments for the SRF Green Alley Bid Set 1 Project.

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